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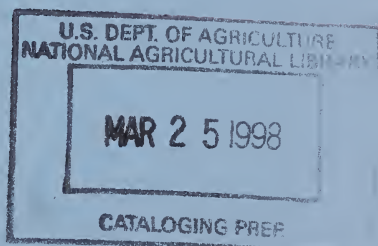
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CONSUMPTION OF FEED BY LIVESTOCK 1940-1959



Production Research Report No. 79
UNITED STATES DEPARTMENT OF AGRICULTURE

CONSUMPTION OF FEED BY LIVESTOCK 1940-1959

By Earl F. Hodges

Production Research Report No. 79
Farm Production Economics Division
Economic Research Service
UNITED STATES DEPARTMENT OF AGRICULTURE

GUIDE TO TABLES

Arranged by General Contents

	Page
Measuring feed units:	
Composition and energy per 100 pounds of common feeds for livestock and poultry.....	38
Relative value of common feed materials compared with corn when fed to different kinds of livestock.....	40
Relative value of feeds for different kinds of livestock with various prices of corn.....	18-22
Estimated percentage of crude protein in concentrate ration fed to different kinds of livestock.....	32
Deficit in digestible protein for all livestock.....	33
High-protein feeds as a percentage of all concentrates fed to different kinds of livestock.....	54
Feed consumed by livestock in producing food:	
Feed units consumed in producing livestock and livestock products, United States average, 1957-59.....	34
Feed fed per head and per unit of livestock production, average 1955-59.....	30
Advance estimating of feed needs:	
Concentrates fed in 1960-61 and 1961-62.....	36
Concentrates fed per animal unit and per livestock-production unit.....	34
Hay fed per animal unit.....	35
Number of livestock and production of livestock products:	
Number of cattle and sheep on farms, January 1.....	23
Number of hogs, horses and mules, and poultry on farms, January 1.....	24
Pigs saved, poultry raised, and goats clipped during year.....	42
Livestock production on farms, calendar year.....	42
Livestock production and related data, feeding year.....	43
Quantity of feed consumed by all livestock:	
Grain and other concentrates fed to livestock.....	10
High-protein feeds, millfeeds, and other byproduct feeds consumed by livestock.....	37
Seeds and milk consumed by livestock.....	38
Hay and other harvested forage fed to livestock.....	12
Feed expressed in feed units consumed by all livestock.....	78
Feeds consumed by specified kinds of livestock:	
Dairy cattle.....	63-65, 84
Beef cattle.....	66-68, 85
Sheep and lambs.....	69
Sheep and goats.....	87
Horses and mules.....	70, 87
Poultry.....	72-74, 89-91
Hogs.....	75, 89
Other livestock on farms and all livestock not on farms.....	76
Percentage of total feed consumed by different kinds of livestock, derived from different sources, averages, 1940-59.....	13-17
Percentage of specified feeds consumed by each kind of livestock.....	25-29
Feeds, expressed in feed units, consumed by different kinds of livestock:	
All feed.....	79
All concentrates.....	80
All feed grains.....	44
Harvested roughage.....	81
Pasture and grazing.....	82
All roughage.....	83

	Page
Specified feeds, not in feed units, consumed by each kind of livestock:	
Corn.....	45
Oats.....	46
Barley.....	47
Sorghum grains.....	48
Wheat and rye.....	49
High-protein feeds.....	50-53
Cottonseed meal.....	55
Soybean meal.....	55
Other oilmeal.....	56
Millfeeds.....	57
Other byproduct feeds.....	58
All byproduct feeds.....	59
All concentrates.....	60
Hay.....	61
Silage.....	61
Other harvested roughage.....	62
All feed including pasture consumed per head or per unit of production...	92
Feed consumed per unit of output:	
Per unit of production of cattle, sheep, and milk.....	77
Per unit of livestock production, excluding horses and mules, and livestock not on farms.....	94

CONSUMPTION OF FEED BY LIVESTOCK, 1940-59

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Introduction and Method of Procedure

The national feed supply and its utilization are of interest and importance both to producers and consumers. The production of feed and the feeding of livestock make up the principal occupation of many farmers, and are of secondary concern to large numbers of other farmers. A shortage of feed means smaller supplies of meat, dairy, and poultry products and correspondingly higher prices for consumers. The production of feed and food for export is also significant at home and abroad.

This report revises and continues data published in 1958 by Ralph D. Jennings (4).¹ The earlier report covered the 48-year period 1909-56; this one is limited to the 20-year period, 1940-59. Data for the feeding years from 1940 through 1954 have been revised to include changes made in official statistics; those for 1955 through 1959 are new estimates from the latest data.

This report presents:

1. Data on relative value of feeds for different kinds of livestock with various prices of corn.
2. Data converting various kinds of feed into feed units or corn equivalents.
3. Methods of estimating future feed needs—animal units and livestock production units.
4. Livestock and poultry inventories, United States, by calendar years and feeding years.
5. Quantities of feed, including pasture, consumed by various kinds of livestock annually.
6. Feed consumed per head or per unit of livestock production.

The tables that show digestible protein, total digestible nutrients, and net energy of feedstuffs have been reprinted as they appeared in the 1958 edition because current research indicates no appreciable change. The table showing relative values of various feeds compared with corn is unchanged for the same reason. More detailed tables have been added on feeds consumed, measured by feed units (corn equivalents).

Main source of data on feed supply and disappearance is Grain and Feed Statistics (9), an annual publication of the Department of

¹ Italic numbers in parentheses refer to Literature Cited, p. 4.

Agriculture. Feed disappearance is a residual figure, representing the quantity remaining after all other known uses of feed—including adjustments for imports, exports, and changes in stocks—have been subtracted from the crop production of the year.

Chief sources of information on numbers and production of live-stock are the reports of the Department on numbers of livestock on farms January 1; reports on live weight production of meat animals and poultry; on number of eggs; on pounds of milk; and on numbers of goats clipped (7, 8, and 10).

Unless otherwise indicated, the feeding year beginning October 1 and ending September 30 is used in this report. This is the period during which the crop production of a season is normally fed to livestock. The livestock and poultry estimates of the Department are based on a calendar year; hence, these data have been recalculated on a feeding-year basis. When inventory figures are used, the January 1 date, following October 1, is used.

Production of chickens raised, of broilers, and of turkeys in the calendar year following October 1 is taken without change as constituting production during the feeding year.

Beginning with 1955, certain changes in methods of estimation are introduced. More emphasis than before is now placed on consumption of high-protein feeds for dairy cattle and poultry. These changes in methodology have caused some sharp shifts in level from 1954 to 1955.

One of the marked changes of recent years is the rapid development and expansion in output of hybrid sorghum grains. Consumption of sorghum grains increased from 4.8 million tons in 1956 to 7.5 million tons in 1957, or more than 50 percent. By the end of the decade, more than 10 million tons, or about a ton of sorghum grains for each 9 tons of corn, were being fed. Availability of large quantities of sorghum grains in the Southwestern States and on the west coast has been a factor in the increase of cattle feeding in these areas.

From 1950 to 1959, consumption of high-protein feeds rose more than one-fourth. Most of the increase was due to the greatly increased production and feeding of soybean meal. During this period, soybean meal consumption increased nearly 50 percent. Feeding of all grains and byproduct feeds increased nearly 20 percent. Consumption of feed grains alone increased 17 percent.

In the 20 years from 1940 to 1959, the average quantity of all concentrates fed to milk cows increased from about 1,300 pounds per head to 2,273 pounds, or 75 percent. During the same period, milk production per cow rose from 4,622 pounds per year to 6,815 pounds, or 47 percent.

As indicated earlier, the same general procedures developed by Jennings for estimating feed consumption by livestock classes were continued in this report. However, analysis of preliminary allocations of feed by classes of livestock for 1956-59 indicated that the feed allocated to hogs would require higher feeding rates per head than appeared reasonable. Estimates were recalculated for each year since 1954. Reasonable feeding rates for hogs were determined and only this amount of concentrates was allocated to hogs. The feed allocated to hogs for 1954 and 1955 was unchanged, but for 1956 and later years, the new procedure significantly reduced the total quantities allocated to hogs. Differences between the preliminary and the final allocations were listed separately as "unal-

located" (table 1). The percentage of the total concentrates unallocated increased from 1.8 percent in 1956 to 7.3 percent in 1959. From a strict accounting viewpoint, the quantity of feed thus placed in an "unallocated" category should be charged to one or more classes of livestock. It is an integral part of the feed supply which must be available to feed livestock each year.

Although data are not available to properly describe the "unallocated" feed, a substantial portion of it probably consists of losses and inefficiencies in feeding which may have increased during the past few years. In recent years, about a third of all concentrates fed to livestock and poultry was in the form of formula or other manufactured feed. Mill losses in the preparation of such commercial feeds may be a significant part of the "unallocated" category.

During most of the period since 1955, livestock-feed price ratios have been relatively favorable for feeding livestock, and the average weights at which cattle and hogs have been marketed have increased. Average live weight per head of cattle slaughtered under Federal inspection increased from 958 pounds in 1954 to 1,045 pounds in 1959 (10). Average weight of barrows and gilts at eight markets increased from 222 pounds in 1956 to 228 pounds in 1959 (10). Increased feeding for the heavier weights in these two classes of livestock could account for a further disappearance of large quantities of feed. This area might account for another portion of the "unallocated" category.

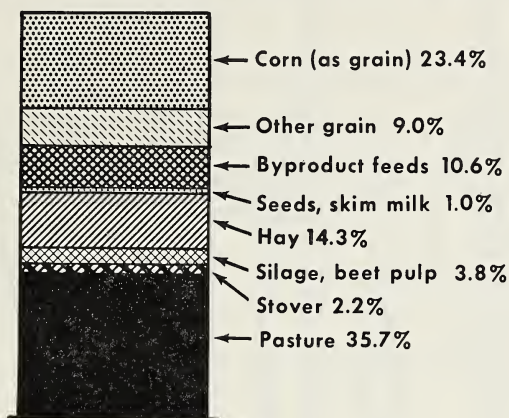
Possibility of slight over or underestimations of basic data on production of feed grains and numbers of livestock on farms may also account for a portion of the "unallocated" category. For example, overestimated crop production by 2 or 3 percent the last 5 or 6 years and underestimated numbers of livestock by 2 or 3 percent could account for all of the "unallocated" category.

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U. S., 1955-59

FEED CONSUMED BY LIVESTOCK *



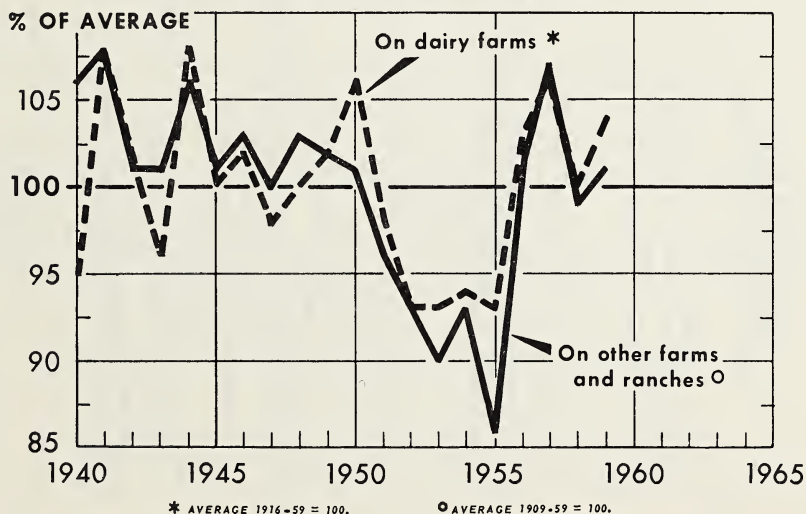
* INCLUDES POULTRY.

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Figure 1

PASTURE CONDITION



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Figure 2

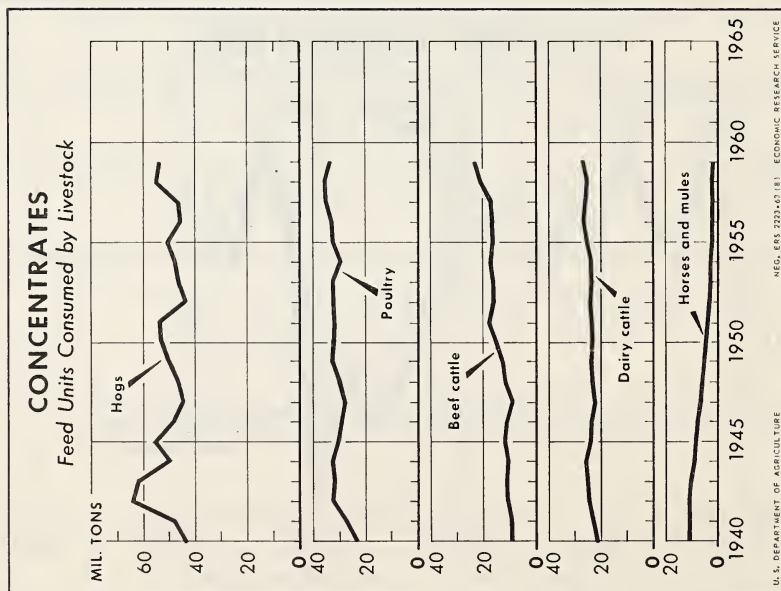


Figure 3

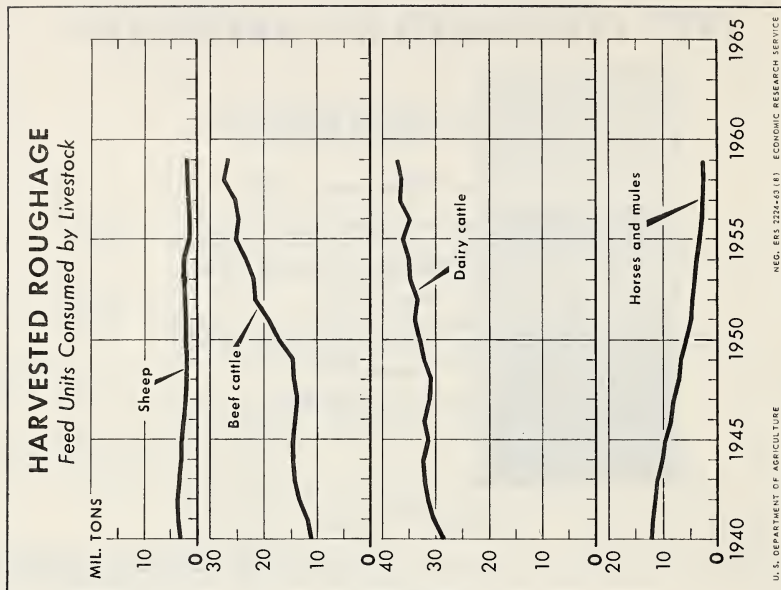


Figure 4

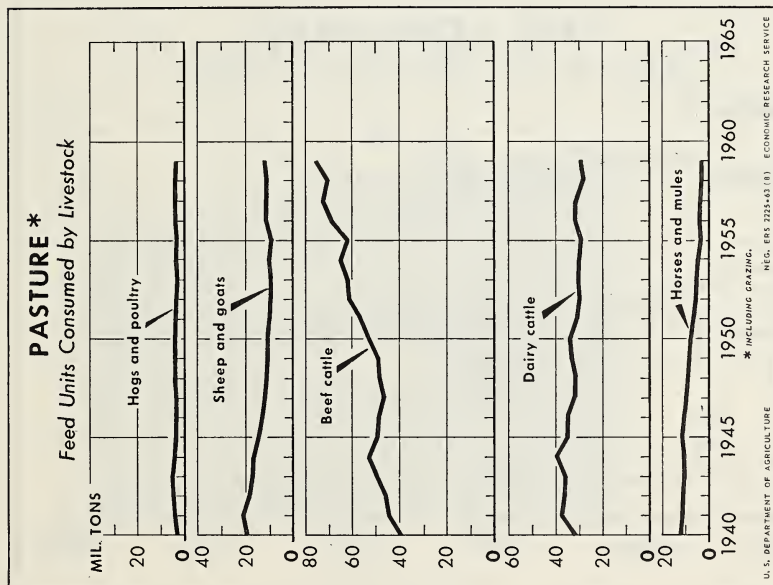


Figure 5

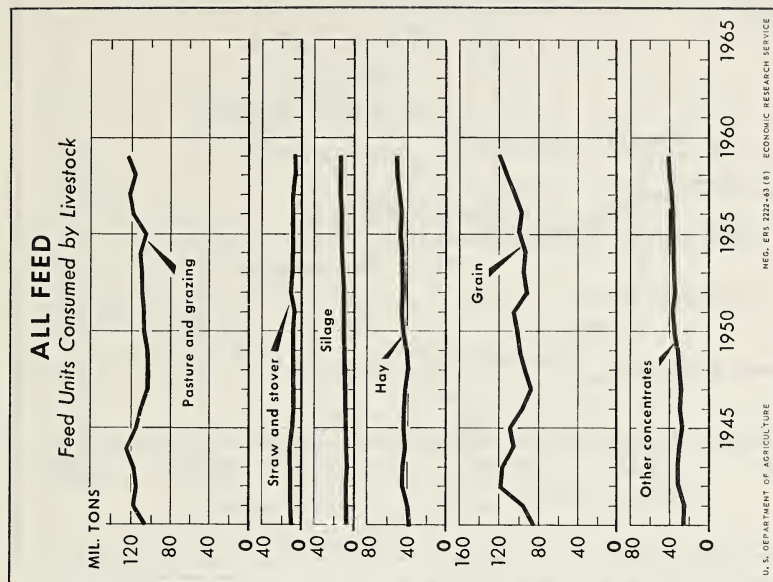


Figure 6

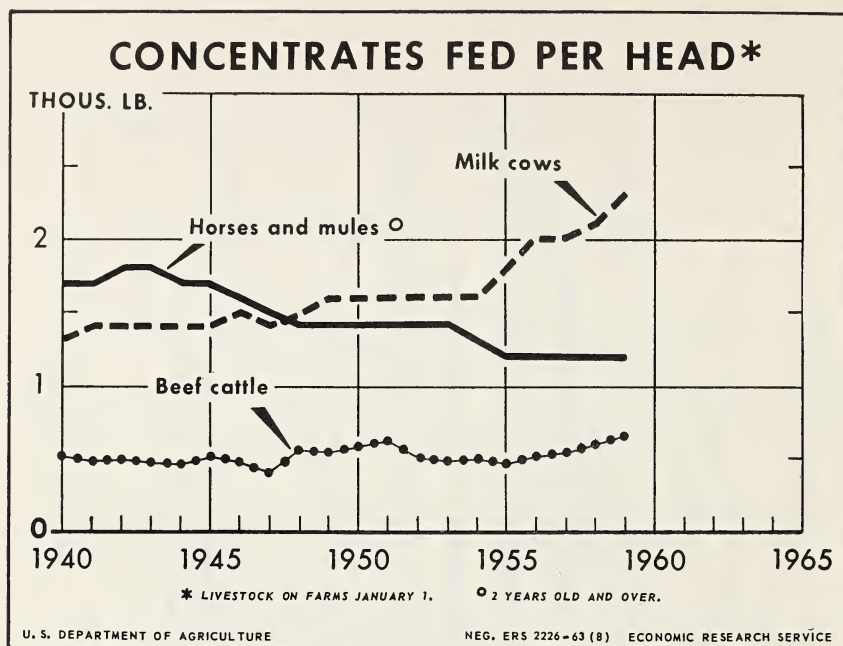


Figure 7

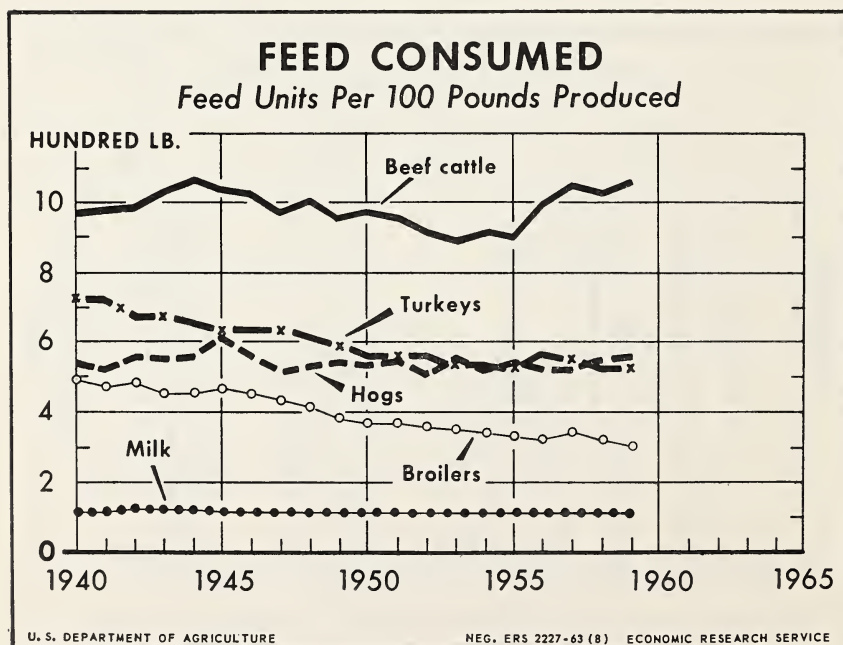
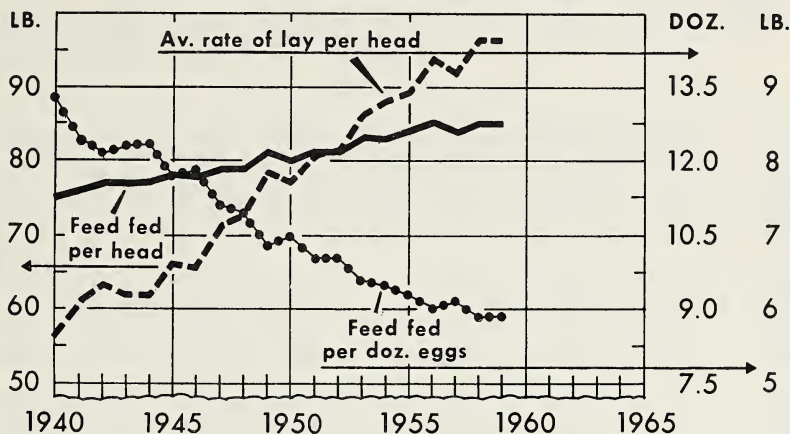


Figure 8

FEED FED TO HENS AND PULLETS AND RATE OF LAY



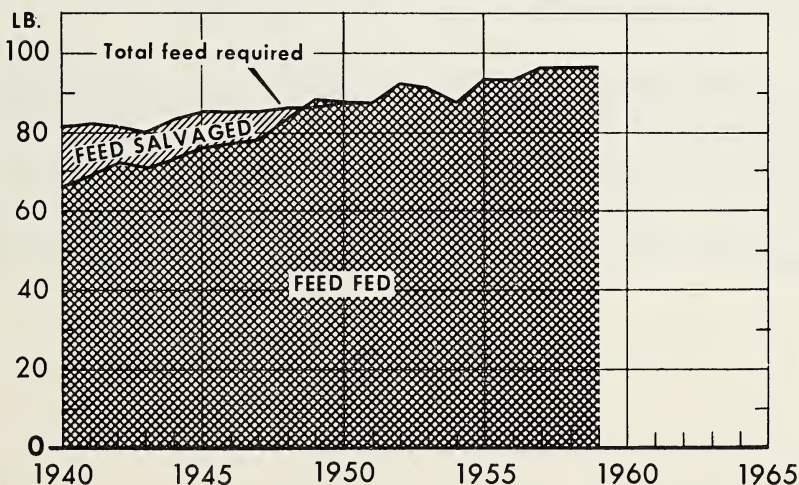
FEED DATA FROM NATIONAL RESEARCH COUNCIL.

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Figure 9

FEED UNITS PER HEN AND PULLET *



* ON FARMS, JANUARY 1.

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Figure 10

TABLE 1.—*Grain and other*

Year begin- ning Oct. 1	Feed grains						Byproduct feeds	
	Corn excluding corn in silage ¹	Oats	Barley	Sorghum grains	Wheat and rye	All feed grains	Oilseed meals ²	Animal pro- teins ³
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940----	59, 852	18, 099	5, 480	2, 328	2, 604	88, 363	4, 405	1, 220
1941----	66, 417	16, 762	6, 256	3, 099	5, 922	98, 456	4, 639	1, 187
1942----	77, 867	19, 624	7, 123	2, 980	12, 906	120, 500	6, 089	1, 189
1943----	76, 767	17, 196	6, 120	2, 711	14, 312	117, 106	6, 255	1, 337
1944----	72, 039	16, 917	4, 441	3, 622	8, 792	105, 811	6, 212	1, 200
1945----	73, 178	23, 589	4, 092	2, 355	7, 546	110, 760	5, 810	1, 103
1946----	70, 366	19, 270	2, 973	2, 110	3, 862	98, 581	5, 837	1, 097
1947----	59, 495	17, 396	3, 210	1, 831	5, 568	87, 500	6, 241	1, 191
1948----	66, 528	19, 749	3, 668	2, 081	2, 802	94, 828	7, 316	1, 307
1949----	74, 457	17, 857	3, 178	1, 787	3, 234	100, 513	7, 867	1, 351
1950----	73, 096	19, 309	3, 454	3, 960	3, 168	102, 987	8, 659	1, 394
1951----	75, 191	19, 611	3, 570	3, 213	3, 224	104, 809	9, 129	1, 559
1952----	67, 745	17, 964	3, 081	2, 157	3, 196	94, 143	8, 916	1, 597
1953----	69, 742	17, 792	3, 817	2, 190	2, 324	95, 865	8, 676	1, 966
1954----	65, 921	19, 883	4, 654	3, 480	1, 724	95, 662	8, 521	1, 904
1955----	69, 424	20, 007	5, 187	4, 461	1, 902	100, 981	9, 179	2, 189
1956 ⁹ ----	68, 063	16, 692	5, 175	4, 752	1, 496	96, 178	10, 024	2, 069
1956 ¹⁰ ----	1, 819	100	186	70	22	2, 197		
1957 ⁹ ----	68, 706	16, 116	5, 064	6, 945	1, 489	98, 320	10, 766	1, 960
1957 ¹⁰ ----	4, 812	1, 329	541	576	141	7, 399		
1958 ⁹ ----	75, 623	17, 644	5, 305	7, 217	2, 092	107, 881	11, 774	2, 172
1958 ¹⁰ ----	4, 880	1, 695	495	325	200	7, 595		
1959 ⁹ ----	80, 416	13, 695	4, 577	9, 196	1, 832	109, 716	11, 277	2, 265
1959 ¹⁰ ----	7, 680	967	754	1, 154	250	10, 805		

¹ Concentrates in this table include grains, byproduct feeds, seeds, and milk whether fed as such or in mixed or formula feeds. Corn silage is considered a roughage in this report, and therefore is not included as a grain. It is shown as a separate item in the last column. The corn in silage was calculated by States by multiplying the acreage harvested for silage by the average yield of all corn.

² Includes cottonseed meal, soybean meal, linseed meal, peanut meal, and copra meal.

³ Includes tankage, meat scraps, fishmeal, and dried milk products.

⁴ Includes gluten feed and meal, brewers' dried grains, and distillers' dried grain.

concentrates fed to livestock, 1940-59

Byproduct feeds—Continued				Seeds fed	Milk ⁷	All concen- trates	Corn in silage	Corn for forage ⁸
Grain proteins ⁴	Mill- feeds ⁵	Other ⁶	All byproduct feeds					
<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1, 120	4, 887	2, 781	14, 413	2, 003	1, 900	106, 679	4, 494	3, 641
1, 548	4, 657	2, 884	14, 915	1, 698	1, 825	116, 894	4, 281	3, 074
1, 578	4, 884	2, 574	16, 314	2, 268	1, 750	140, 832	4, 458	3, 874
1, 575	5, 102	2, 488	16, 757	2, 372	1, 625	137, 860	4, 413	4, 849
1, 769	5, 638	2, 697	17, 516	1, 817	1, 550	126, 694	4, 836	3, 978
1, 395	5, 051	3, 110	16, 469	1, 451	1, 475	130, 155	4, 788	4, 407
1, 737	6, 264	3, 325	18, 260	1, 040	1, 450	119, 331	5, 166	4, 018
1, 434	5, 658	3, 296	17, 820	1, 027	1, 375	107, 722	4, 592	3, 036
1, 433	5, 107	3, 754	18, 917	785	1, 350	115, 880	5, 476	3, 375
1, 501	4, 968	3, 996	19, 683	952	1, 325	122, 473	5, 748	3, 224
1, 949	5, 005	4, 061	21, 068	743	1, 275	126, 073	5, 842	3, 598
1, 473	5, 217	4, 324	21, 702	899	1, 200	128, 610	5, 614	3, 658
1, 365	4, 983	4, 778	21, 639	637	1, 200	117, 619	6, 666	3, 016
1, 473	4, 942	5, 307	22, 364	465	1, 190	119, 884	7, 317	2, 891
1, 523	4, 870	5, 725	22, 543	498	1, 095	119, 798	7, 909	3, 139
1, 604	4, 725	5, 354	23, 051	493	1, 045	125, 570	7, 560	3, 173
1, 536	4, 885	5, 062	23, 576	676	935	121, 365	8, 275	3, 299
1, 535	4, 957	5, 810	25, 028	445	863	2, 197 124, 656 7, 399	8, 207	2, 588
1, 619	4, 934	5, 896	26, 395	436	793	135, 505 7, 595	8, 607	2, 477
1, 740	5, 100	6, 322	26, 704	461	737	137, 618 10, 805	9, 029	2, 704

⁵ Includes wheat and rice millfeeds.

⁶ Includes dried and molasses beet pulp, alfalfa meal, molasses, hominy, oat millfeed, screenings, and added fats (not reported before 1954).

⁷ Dry weight equivalent of noncommercial milk products—whole milk, skim milk, buttermilk, and whey fed as liquids.

⁸ Included in corn harvested for grain in this report. Calculated for each State by multiplying the acreage of corn for forage by the average yield for corn harvested as grain.

⁹ Feed grains allocated to livestock.

¹⁰ Feed grains unallocated. Probably includes some waste and other losses.

TABLE 2.—*Hay and other harvested forage fed to livestock, 1940-59*

Year beginning Oct. 1	Hay ¹	Corn silage ²	Sorghum silage	Wet beet pulp	Grass silage ³	Corn stover ⁴	Sorghum forage	Straw ⁵	All harvested forage
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940	93, 307	34, 615	6, 217	1, 625	-----	11, 900	16, 110	7, 900	171, 674
1941	96, 863	33, 751	7, 896	1, 556	-----	12, 100	17, 069	11, 000	180, 235
1942	105, 162	33, 445	6, 032	1, 688	-----	13, 640	13, 640	11, 000	183, 967
1943	105, 514	33, 518	4, 733	1, 009	-----	10, 800	10, 982	18, 000	184, 556
1944	100, 802	34, 888	5, 644	923	-----	9, 600	11, 552	22, 000	185, 409
1945	102, 953	35, 214	3, 570	1, 142	400	8, 100	9, 543	15, 000	175, 922
1946	104, 122	36, 031	3, 587	1, 446	800	8, 100	8, 181	11, 500	173, 767
1947	101, 637	34, 290	3, 338	1, 834	1, 500	5, 450	5, 666	12, 500	166, 215
1948	96, 310	37, 592	4, 318	1, 385	2, 600	6, 250	6, 659	11, 500	166, 614
1949	96, 993	40, 386	3, 640	1, 389	2, 700	4, 230	5, 632	15, 240	170, 210
1950	103, 187	41, 002	5, 176	1, 777	4, 700	3, 800	6, 567	12, 730	178, 939
1951	109, 598	38, 949	5, 858	1, 764	8, 411	3, 600	6, 072	11, 200	185, 452
1952	106, 509	43, 174	4, 218	1, 593	8, 642	3, 950	4, 069	22, 400	194, 555
1953	107, 617	47, 855	6, 506	1, 641	8, 873	3, 050	5, 535	20, 100	201, 177
1954	108, 185	52, 559	7, 603	1, 823	9, 104	2, 900	5, 172	18, 700	206, 046
1955	111, 561	52, 974	9, 643	1, 368	9, 335	2, 500	6, 725	16, 600	210, 706
1956	106, 957	54, 571	9, 194	1, 378	9, 500	2, 800	4, 457	17, 000	205, 857
1957	111, 402	54, 072	16, 560	1, 538	9, 500	2, 250	6, 729	15, 300	217, 351
1958	120, 757	55, 612	13, 155	1, 372	9, 500	2, 450	4, 209	12, 500	219, 555
1959	119, 418	59, 703	11, 611	1, 482	9, 500	2, 150	3, 835	13, 100	220, 799

¹ Disappearance of hay, year beginning May 1.² See table 1 for corn (grain) in silage.³ Rough estimate based partly on census data beginning 1945.⁴ Some allowance was made for fodder topped and stripped.

See U.S. Dept. Agr. ARS 43-91, table 7 (6).

⁵ Assumed that on the average each kind of livestock would get approximately the same quantity of dry roughage equivalent per head each year, and straw was used to equalize this quantity.

TABLE 3.—Percentage of total feed¹ consumed by different kinds of livestock, derived from different sources, averages 1940-59

Period	Corn	Other grains	Byproduct feeds	Seeds and milk	Hay	Slage and beet pulp	Stover and straw	Pasture	Total
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
ALL LIVESTOCK ²									
1940-44	23.1	10.9	6.9	2.0	13.3	2.2	3.6	38.0	100
1945-49	24.0	9.6	8.3	1.4	14.3	2.4	2.8	37.2	100
1950-54	23.5	8.7	9.9	1.1	14.6	3.3	2.7	36.2	100
1955-59	23.6	9.0	10.4	.8	14.3	3.9	2.2	35.8	100
MILK COWS									
1940-44	9.5	9.1	8.6	1.1	28.3	7.0	2.7	33.7	100
1945-49	10.4	8.7	9.3	.6	30.7	7.5	1.5	31.3	100
1950-54	11.0	8.5	9.6	.3	31.4	10.6	1.1	27.5	100
1955-59	14.6	8.9	8.5	.2	29.7	12.7	.8	24.6	100
OTHER DAIRY CATTLE									
1940-44	8.5	3.8	1.3	5.9	16.7	3.6	2.7	57.5	100
1945-49	8.4	4.0	1.4	4.8	20.0	3.9	1.0	56.5	100
1950-54	8.6	3.6	1.7	4.8	22.3	3.7	.5	54.8	100
1955-59	4.9	5.0	2.5	4.0	24.7	4.6	.4	53.9	100

See footnotes at end of table.

TABLE 3.—Percentage of total feed¹ consumed by different kinds of livestock, derived from different sources, averages 1940–59—Continued

Period	Corn		Other grains		Byproduct feeds		Seeds and milk		Hay		Silage and beet pulp		Stover and straw		Pasture		Total	
	Percent		Percent		Percent		Percent		Percent		Percent		Percent		Percent		Percent	
ALL DAIRY CATTLE																		
1940-44-----	9.3		7.7		6.7		2.4		25.2		6.0		2.7		40.0		100	
1945-49-----	9.9		7.5		7.3		1.6		28.0		6.6		1.4		37.7		100	
1950-54-----	10.3		7.2		7.5		1.5		28.9		8.7		.9		35.0		100	
1955-59-----	12.1		7.9		6.9		1.2		28.3		10.6		.7		32.3		100	
GRAIN-FATTENED CATTLE																		
1940-44-----	49.3		4.7		12.4		-----		15.9		4.8		0.3		12.6		100	
1945-49-----	50.5		2.5		14.9		-----		17.3		4.3		.1		10.4		100	
1950-54-----	47.0		2.1		17.3		-----		17.6		5.6		.1		10.3		100	
1955-59-----	36.6		11.5		15.7		-----		18.6		6.6		.1		10.9		100	
OTHER BEEF CATTLE																		
1940-44-----	1.8		1.5		1.6		0.8		8.0		0.9		9.5		75.9		100	
1945-49-----	1.7		1.3		1.8		.4		11.9		1.0		6.0		75.9		100	
1950-54-----	3.5		1.2		2.5		.2		13.8		1.4		6.1		71.3		100	
1955-59-----	2.2		1.4		3.2		.2		15.3		1.7		5.3		70.7		100	

ALL BEEF CATTLE									
1940-44	8.5	2.0	3.1	0.7	9.1	1.5	8.2	66.9	100
1945-49	9.5	1.5	3.9	.4	12.8	1.5	5.0	65.4	100
1950-54	10.5	1.3	4.9	.2	14.4	2.1	5.1	61.5	100
1955-59	7.8	3.1	5.3	.2	15.9	2.5	4.4	60.8	100
SHEEP									
1940-44	3.3	1.2	1.3	-----	11.5	0.9	2.6	79.2	100
1945-49	3.8	1.2	1.5	-----	11.5	1.0	2.2	78.8	100
1950-54	4.0	1.4	1.8	-----	13.1	.8	2.4	76.5	100
1955-59	2.0	3.0	3.6	-----	5.7	.8	2.4	82.5	100
HORSES AND MULES									
1940-44	19.8	10.9	0.6	-----	27.0	-----	7.4	34.3	100
1945-49	18.0	8.3	.8	-----	20.4	-----	11.3	41.2	100
1950-54	16.3	7.9	1.5	-----	18.2	-----	13.2	40.9	100
1955-59	13.1	8.3	1.5	-----	18.5	-----	13.4	45.2	100
HOGS									
1940-44	61.9	19.7	8.6	4.8	-----	-----	-----	5.0	100
1945-49	65.7	15.5	10.2	3.8	-----	-----	-----	4.8	100
1950-54	64.2	15.4	12.9	2.8	-----	-----	-----	4.7	100
1955-59	67.1	12.1	14.3	1.7	-----	-----	-----	4.8	100

See footnotes at end of table.

TURKEYS									
1940-44	31.8	32.1	29.2	2.6	---	---	---	4.3	100
1945-49	32.1	25.6	36.7	1.5	---	---	---	4.1	100
1950-54	33.1	21.8	40.6	---	---	---	---	4.5	100
1955-59	44.1	15.0	35.9	---	---	---	---	5.0	100
ALL POULTRY									
1940-44	41.0	31.2	22.4	2.1	---	---	---	3.3	100
1945-49	40.6	28.9	26.3	1.5	---	---	---	2.7	100
1950-54	39.9	26.8	30.6	.5	---	---	---	2.2	100
1955-59	38.2	23.8	35.6	.4	---	---	---	2.0	100

¹ Measured in feed units.

² "Unallocated" feed included in all livestock only.

TABLE 4.—*Relative value of feeds for dairy cows with various prices of corn*¹

Feed	Relative feeding value per pound compared with corn ²	Unit	Equivalent prices of other feeds when price per bushel of corn is—								
			\$0.70	\$0.80	\$0.90	\$1.00	\$1.10	\$1.20	\$1.30	\$1.40	\$1.50
			Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Grains:	Percent										
Oats-----	90	Bushel-----	0.36	0.41	0.46	0.51	0.57	0.62	0.67	0.72	0.77
Barley-----	100	do-----	.60	.69	.77	.86	.94	1.03	1.11	1.20	1.29
Wheat-----	105	do-----	.79	.90	1.01	1.12	1.24	1.35	1.46	1.58	1.69
Rye-----	90	do-----	.63	.72	.81	.90	.99	1.08	1.17	1.26	1.35
Sorghum grains-----	100	Cwt-----	1.25	1.43	1.61	1.79	1.96	2.14	2.32	2.50	2.68
Oilseed meals:											
Cottonseed meal-----	160	do-----	2.00	2.29	2.57	2.86	3.14	3.43	3.71	4.00	4.29
Linseed meal-----	160	do-----	2.00	2.29	2.57	2.86	3.14	3.43	3.71	4.00	4.29
Soybean meal-----	170	do-----	2.12	2.43	2.73	3.04	3.34	3.64	3.95	4.25	4.55
Peanut meal-----	160	do-----	2.00	2.29	2.57	2.86	3.14	3.43	3.71	4.00	4.29
Other concentrates:											
Gluten meal-----	165	do-----	2.06	2.36	2.65	2.95	3.24	3.54	3.83	4.12	4.42
Gluten feed-----	115	do-----	1.44	1.64	1.85	2.05	2.26	2.46	2.67	2.87	3.08
Brewers' dried grains-----	110	do-----	1.37	1.57	1.77	1.96	2.16	2.36	2.55	2.75	2.95
Distillers' dried grains-----	130	do-----	1.62	1.86	2.09	2.32	2.55	2.79	3.02	3.25	3.48
Wheat bran-----	95	do-----	1.19	1.36	1.53	1.70	1.87	2.04	2.21	2.37	2.54
Wheat middlings-----	100	do-----	1.25	1.43	1.61	1.79	1.96	2.14	2.32	2.50	2.68
Hominy feed-----	100	do-----	1.25	1.43	1.61	1.79	1.96	2.14	2.32	2.50	2.68
Molasses (cane)-----	90	do-----	1.12	1.29	1.45	1.61	1.77	1.93	2.09	2.25	2.41
Dried beet pulp-----	90	do-----	1.12	1.29	1.45	1.61	1.77	1.93	2.09	2.25	2.41
Wet beet pulp-----	10	do-----	.12	.14	.16	.18	.20	.21	.23	.25	.27
Alfalfa meal-----	65	do-----	.81	.93	1.04	1.16	1.28	1.39	1.51	1.62	1.74
Soybeans-----	170	do-----	2.12	2.43	2.73	3.04	3.34	3.64	3.95	4.25	4.55
Cottonseed-----	80	do-----	1.00	1.14	1.29	1.43	1.57	1.71	1.86	2.00	2.14

¹ Prices per unit have been adjusted for weight and feeding value.

² When fed in fairly well-balanced rations.

TABLE 5.—*Relative value of feeds for fattening cattle with various prices of corn.*¹

Feed	Relative feeding value per pound compared with corn ²	Unit	Equivalent prices of other feeds when price per bushel of corn is—								
			\$0.70	\$0.80	\$0.90	\$1.00	\$1.10	\$1.20	\$1.30	\$1.40	\$1.50
	Percent		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	
Grains											
Oats	85	Bushel	0.34	0.39	0.44	0.49	0.53	0.58	0.63	0.68	0.73
Barley	88	do	.53	.60	.68	.75	.83	.91	.98	1.06	1.13
Wheat	105	do	.79	.90	1.01	1.12	1.24	1.35	1.46	1.58	1.69
Rye	95	do	.66	.76	.86	.95	1.04	1.14	1.24	1.33	1.42
Sorghum grains	92	Cwt	1.15	1.31	1.48	1.64	1.81	1.97	2.14	2.30	2.46
Oilseed meals:											
Cottonseed meal	190	do	2.37	2.71	3.05	3.39	3.73	4.07	4.41	4.75	5.09
Linseed meal	300	do	3.75	4.29	4.82	5.36	5.89	6.43	6.96	7.50	8.04
Soybean meal	200	do	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00	5.36
Peanut meal	200	do	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00	5.36
Other concentrates:											
Gluten meal	225	do	2.81	3.21	3.62	4.02	4.42	4.82	5.22	5.62	6.03
Distillers' dried grains	135	do	1.69	1.93	2.17	2.41	2.65	2.89	3.13	3.37	3.62
Hominy feed	100	do	1.25	1.43	1.61	1.79	1.96	2.14	2.32	2.50	2.68
Molasses (cane)	85	do	1.06	1.21	1.37	1.52	1.67	1.82	1.97	2.12	2.28
Dried beet pulp	90	do	1.12	1.29	1.45	1.61	1.77	1.93	2.09	2.25	2.41
Wet beet pulp	15	do	.19	.21	.24	.27	.29	.32	.35	.37	.40
Soybeans	200	do	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00	5.36
Cottonseed	140	do	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75

¹ Prices per unit have been adjusted for weight and feeding value.² When fed in fairly well-balanced rations.

TABLE 6.—*Relative value of feeds for hogs with various prices of corn*¹

Feed	Relative feeding value per pound compared with corn ²	Unit	Equivalent prices of other feeds when price per bushel of corn is—							
			\$0.70	\$0.80	\$0.90	\$1.00	\$1.10	\$1.20	\$1.30	\$1.40
Grains:	Percent	Bushel	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Oats	90	-----	0.36	0.41	0.46	0.51	0.57	0.62	0.67	0.72
Barley	90	-----do-----	.54	.62	.69	.77	.85	.93	1.00	1.08
Wheat	103	-----do-----	.77	.88	.99	1.10	1.21	1.32	1.43	1.54
Rye	80	-----do-----	.56	.64	.72	.80	.88	.96	1.04	1.12
Sorghum grains	90	-----do-----	1.12	1.29	1.45	1.61	1.77	1.93	2.09	2.25
Oilseed meals:										
Cottonseed meal	150	-----do-----	1.87	2.14	2.41	2.68	2.95	3.21	3.48	3.75
Linseed meal	200	-----do-----	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00
Soybean meal	200	-----do-----	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00
Peanut meal	200	-----do-----	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00
Animal-protein feeds:										
Tankage	250	-----do-----	3.12	3.57	4.02	4.46	4.91	5.36	5.80	6.25
Meat scraps	250	-----do-----	3.12	3.57	4.02	4.46	4.91	5.36	5.80	6.25
Fish meal	300	-----do-----	3.75	4.29	4.82	5.36	5.89	6.43	6.96	7.50
Skim milk	30	-----do-----	.37	.43	.48	.54	.59	.64	.70	.75
Other concentrates:										
Gluten meal	175	-----do-----	2.19	2.50	2.81	3.12	3.44	3.75	4.06	4.38
Wheat middlings	105	-----do-----	1.31	1.50	1.69	1.88	2.06	2.25	2.44	2.62
Hominy feed	95	-----do-----	1.19	1.36	1.53	1.70	1.87	2.04	2.21	2.37
Molasses	70	-----do-----	.88	1.00	1.12	1.25	1.38	1.50	1.62	1.75
Alfalfa meal	70	-----do-----	.88	1.00	1.12	1.25	1.38	1.50	1.62	1.75
Soybeans	150	-----do-----	1.87	2.14	2.41	2.68	2.95	3.21	3.48	3.75

¹ Prices per unit have been adjusted for weight and feeding value.² When fed in fairly well-balanced rations.

TABLE 7.—*Relative value of feeds for poultry with various prices of corn*¹

Feed	Relative feeding value per pound compared with corn ²	Unit	Equivalent prices of other feeds when price per bushel of corn is—								
			\$0.70	\$0.80	\$0.90	\$1.00	\$1.10	\$1.20	\$1.30	\$1.40	\$1.50
Grains:	Percent	Bushel	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Oats	90	-----	0.36	0.41	0.46	0.51	0.57	0.62	0.67	0.72	0.77
Barley	80	-----do-----	.48	.55	.62	.69	.75	.82	.89	.96	1.03
Wheat	105	-----do-----	.79	.90	1.01	1.12	1.24	1.35	1.46	1.58	1.69
Sorghum grains	95	Cwt	1.19	1.36	1.53	1.70	1.87	2.04	2.21	2.37	2.54
Oilseed meals:											
Soybean meal	150	-----do-----	1.87	2.14	2.41	2.68	2.95	3.21	3.48	3.75	4.02
Peanut meal	140	-----do-----	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75
Animal-protein feed:											
Tankage	170	-----do-----	2.12	2.43	2.73	3.04	3.34	3.64	3.95	4.25	4.55
Meat scraps	165	-----do-----	2.06	2.36	2.65	2.95	3.24	3.54	3.83	4.12	4.42
Fish meal	250	-----do-----	3.12	3.57	4.02	4.46	4.91	5.36	5.80	6.25	6.70
Skim milk, dried	200	-----do-----	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00	5.36
Other concentrates:											
Wheat bran	70	-----do-----	.88	1.00	1.12	1.25	1.38	1.50	1.62	1.75	1.88
Wheat middlings	90	-----do-----	1.12	1.29	1.45	1.61	1.77	1.93	2.09	2.25	2.41
Alfalfa meal	70	-----do-----	.88	1.00	1.12	1.25	1.38	1.50	1.62	1.75	1.88
Soybeans	100	-----do-----	1.25	1.43	1.61	1.79	1.96	2.14	2.32	2.50	2.68

¹ Prices per unit have been adjusted for weight and feeding value.² When fed in fairly well-balanced rations.

TABLE 8.—*Relative value of feeds for fattening lambs with various prices of corn*¹

Feed	Relative feeding value per pound compared with corn ²	Unit	Equivalent prices of other feeds when price per bushel of corn is—								
			\$0.70	\$0.80	\$0.90	\$1.00	\$1.10	\$1.20	\$1.30	\$1.40	\$1.50
Grains:	Percent	Bushel	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Oats	80	do	0.32	0.37	0.41	0.46	0.50	0.55	0.59	0.64	0.69
Barley	87	do	.52	.60	.67	.75	.82	.89	.97	1.04	1.12
Wheat	85	do	.64	.73	.82	.91	1.00	1.09	1.18	1.28	1.37
Rye	85	do	.60	.68	.76	.85	.94	1.02	1.10	1.19	1.28
Sorghum grains	100	Cwt	1.25	1.43	1.61	1.79	1.96	2.14	2.32	2.50	2.68
Oilseed meals:											
Cottonseed meal	200	do	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00	5.36
Linseed meal	225	do	2.81	3.21	3.62	4.02	4.42	4.82	5.22	5.62	6.03
Soybean meal	225	do	2.81	3.21	3.62	4.02	4.42	4.82	5.22	5.62	6.03
Peanut meal	225	do	2.81	3.21	3.62	4.02	4.42	4.82	5.22	5.62	6.03
Other concentrates:											
Gluten meal	200	do	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00	5.36
Gluten feed	90	do	1.12	1.29	1.45	1.61	1.77	1.93	2.09	2.25	2.41
Brewers' dried grains	100	do	1.25	1.43	1.61	1.79	1.96	2.14	2.32	2.50	2.68
Distillers' dried grains	200	do	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00	5.36
Wheat bran	90	do	1.12	1.29	1.45	1.61	1.77	1.93	2.09	2.25	2.41
Hominy feed	100	do	1.25	1.43	1.61	1.79	1.96	2.14	2.32	2.50	2.68
Molasses	85	do	1.06	1.21	1.37	1.52	1.67	1.82	1.97	2.12	2.28
Dried beet pulp	90	do	1.12	1.29	1.45	1.61	1.77	1.93	2.09	2.25	2.41
Wet beet pulp	15	do	.19	.21	.24	.27	.29	.32	.35	.37	.40
Soybeans	200	do	2.50	2.86	3.21	3.57	3.93	4.29	4.64	5.00	5.36

¹ Prices per unit have been adjusted for weight and feeding value.² When fed in fairly well-balanced rations.

TABLE 9.—*Number of cattle and sheep on farms, Jan. 1, 1940-60*

Calendar year	Cattle						Sheep and lambs				
	Dairy			Beef			All cattle	Stock sheep and lambs	Sheep and lambs on feed	All sheep and lambs	
	Milk cows ¹	Other dairy cattle ²	All dairy cattle	Cattle on feed	Beef cows ¹	Other beef cattle					All beef cattle
1940-----	1,000 head 24, 940	1,000 head 12, 629	1,000 head 37, 569	1,000 head 3, 633	1,000 head 10, 676	1,000 head 16, 431	1,000 head 68, 309	1,000 head 46, 266	1,000 head 5, 841	1,000 head 52, 107	
1941-----	25, 453	13, 102	38, 555	4, 065	11, 366	17, 769	33, 200	71, 755	6, 479	53, 920	
1942-----	26, 313	13, 701	40, 014	4, 185	12, 578	19, 248	36, 011	76, 025	6, 867	56, 213	
1943-----	27, 138	14, 314	41, 452	4, 445	13, 980	21, 327	39, 938	81, 204	6, 954	55, 150	
1944-----	27, 704	14, 814	42, 518	4, 015	15, 521	23, 280	42, 816	85, 334	6, 512	50, 782	
1945-----	27, 770	14, 364	42, 134	4, 411	16, 456	22, 572	43, 439	85, 573	6, 911	46, 520	
1946-----	26, 521	13, 191	39, 712	4, 211	16, 408	21, 904	42, 523	82, 235	6, 837	47, 362	
1947-----	25, 842	12, 961	38, 803	4, 322	16, 408	20, 941	41, 751	80, 554	5, 693	37, 498	
1948-----	24, 615	12, 618	37, 233	3, 821	16, 010	20, 107	39, 938	77, 171	4, 851	34, 337	
1949-----	23, 862	12, 416	36, 278	4, 540	15, 919	20, 093	40, 552	76, 830	4, 003	30, 943	
1950-----	23, 853	12, 572	36, 425	4, 390	16, 743	20, 405	41, 538	77, 963	3, 644	29, 826	
1951-----	23, 568	12, 776	36, 344	4, 534	18, 526	22, 679	45, 739	82, 083	3, 382	30, 633	
1952-----	23, 060	13, 106	36, 166	4, 961	20, 863	26, 082	51, 906	88, 072	4, 038	31, 982	
1953-----	23, 549	13, 331	36, 880	5, 762	23, 291	28, 308	57, 361	94, 241	4, 307	31, 900	
1954-----	23, 896	13, 191	37, 087	5, 370	25, 050	28, 172	58, 592	95, 679	4, 277	31, 356	
1955-----	23, 462	12, 754	36, 216	5, 795	25, 659	28, 922	60, 376	96, 592	4, 445	31, 582	
1956-----	22, 912	12, 133	35, 045	5, 929	25, 371	29, 555	60, 855	95, 900	4, 267	31, 157	
1957-----	22, 325	11, 782	34, 107	6, 122	24, 534	28, 097	58, 753	92, 860	4, 306	30, 654	
1958-----	21, 265	11, 455	32, 720	5, 898	24, 165	28, 393	58, 456	91, 176	4, 050	31, 217	
1959-----	20, 132	11, 291	31, 423	6, 601	25, 112	30, 186	61, 899	93, 322	4, 498	32, 606	
1960-----	19, 527	11, 073	30, 600	7, 535	26, 344	31, 757	65, 636	96, 236	4, 321	33, 170	

¹ 2 years old and over.² Heifers and heifer calves kept for milk, plus dairy bulls.

"All" bulls were divided into dairy bulls and beef bulls in the

same ratio as milk cows 2 years old and over to beef cows 2 years old and over. In 1960, 75 percent of "all" bulls were classified as beef bulls.

TABLE 10.—*Number of hogs, horses and mules, and poultry on farms, Jan. 1, 1940-60*

Calendar year	Hogs			Horses and mules			Hens and pullets	All chickens	Turkeys	
	Under 6 months old	6 months old and over		All hogs	2 years old and over	Under 2 years old				All horses and mules
		Sows and gilts	Other							
1940	1,000 head 30,044	1,000 head 9,413	1,000 head 21,708	1,000 head 61,165	1,000 head 13,000	1,000 head 1,478	1,000 head 14,478	Million head 438	1,000 head 8,569	
1941	26,328	8,565	19,460	54,353	12,651	1,453	14,104	423	7,150	
1942	31,090	10,699	18,818	60,607	12,346	1,309	13,655	477	7,447	
1943	38,401	13,334	22,146	73,881	12,117	1,114	13,231	542	6,584	
1944	42,337	10,825	30,579	83,741	11,668	945	12,613	582	7,294	
1945	27,221	9,229	22,923	59,373	11,116	834	11,950	516	7,082	
1946	30,049	9,390	21,867	61,306	10,434	674	11,108	523	7,862	
1947	26,754	9,522	20,534	56,810	9,578	551	10,129	467	5,879	
1948	26,999	8,681	18,910	54,590	8,800	479	9,279	450	3,959	
1949	28,925	9,807	17,525	56,257	8,074	424	8,498	431	4,622	
1950	31,704	10,248	16,985	58,937	7,415	366	7,781	457	5,124	
1951	34,186	10,452	17,631	62,269	6,732	304	7,036	431	5,037	
1952	34,197	9,395	18,525	62,117	5,887	263	6,150	427	5,725	
1953	28,861	7,845	15,049	51,755	5,166	237	5,403	398	5,086	
1954	26,272	8,420	10,422	45,114	4,572	219	4,791	397	4,956	
1955	29,906	9,063	11,505	50,474	4,101	208	4,309	391	4,917	
1956	33,960	8,506	12,888	55,354	3,757	201	3,958	384	4,937	
1957	32,754	8,064	11,079	51,897	3,436	196	3,632	391	5,828	
1958	32,732	8,103	10,682	51,517	3,220	195	3,415	374	5,612	
1959	38,236	8,819	10,990	58,045	2,988	201	3,189	387	6,105	
1960	38,747	7,531	12,748	59,026	2,883	206	3,089	369	5,633	

TABLE 11.—Percentage of specified feeds ¹ consumed by different kinds of livestock, averages 1940-59

Period	Dairy cattle		Beef cattle		Sheep and goats	Poultry				Hogs	Horses and mules	Other live-stock	Unal-located	Total
	Milk cows	Other dairy cattle	Grain-fat-tened cattle	Other beef cattle		Hens and pullets	Chick-ens raised	Broilers	Turkeys					
					Percent					Percent	Percent	Percent	Percent	Percent
	ALL FEED INCLUDING PASTURE													
1940-44-----	21.9	8.0	3.2	19.4	7.4	5.3	3.4	0.6	0.6	18.4	10.5	1.3	-----	100
1945-49-----	22.8	7.8	4.1	21.5	5.2	6.0	3.1	.9	.7	17.9	8.6	1.4	-----	100
1950-54-----	21.5	8.0	5.2	26.8	4.2	5.7	2.4	1.5	1.0	17.4	4.5	1.8	-----	100
1955-59-----	20.8	7.4	5.7	29.2	4.0	5.3	1.7	2.6	1.1	16.2	2.5	1.8	1.7	100
ALL CONCENTRATES														
1940-44-----	14.4	3.6	5.0	2.6	1.0	12.0	7.5	1.4	1.4	40.7	7.7	2.7	-----	100
1945-49-----	15.2	3.3	6.4	2.6	.7	13.6	6.8	2.2	1.7	39.3	5.4	2.8	-----	100
1950-54-----	14.6	3.4	8.0	4.6	.6	13.0	5.4	4.0	2.1	37.8	2.7	3.8	-----	100
1955-59-----	15.3	2.8	8.4	4.6	.7	11.8	3.6	5.9	2.5	35.2	1.3	4.1	3.8	100
ALL FEED GRAINS														
1940-44-----	12.0	2.9	5.1	1.9	1.0	11.7	7.0	1.1	1.2	44.1	9.4	2.6	-----	100
1945-49-----	13.0	2.9	6.5	2.0	.7	13.2	6.2	1.6	1.2	43.3	6.7	2.7	-----	100
1950-54-----	13.0	3.0	7.9	3.9	.6	12.8	4.9	3.0	1.6	42.3	3.4	3.6	-----	100
1955-59-----	15.0	2.3	8.4	3.2	.6	10.3	3.5	4.4	2.1	39.2	1.6	4.3	5.1	100

See footnotes at end of table.

TABLE 11.—Percentage of specified feeds¹ consumed by different kinds of livestock, averages 1940-59—Continued

Period	Dairy cattle		Beef cattle		Sheep and goats	Poultry				Hogs	Horses and mules	Other live- stock	Unal- located	Total
	Milk cows	Other dairy cattle	Grain- fat- tened cattle	Other beef cattle		Hens and pullets	Chick- ens raised	Broilers	Tur- keys					
					Percent					Percent	Percent	Percent	Percent	Percent
		Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
CORN 2														
1940-44-----	9.0	3.0	6.8	1.5	1.0	9.4	6.2	1.2	0.8	49.3	9.0	2.8	-----	100
1945-49-----	10.0	2.7	8.6	1.5	.8	10.5	4.8	1.9	1.0	49.0	6.4	2.8	-----	100
1950-54-----	10.9	2.9	10.3	4.0	.7	9.8	3.5	3.7	1.4	46.7	3.2	3.8	-----	100
1955-59-----	12.9	1.5	8.9	2.7	.3	7.3	2.0	5.8	2.1	46.0	1.4	4.1	5.0	100
SORGHUM GRAINS														
1940-44-----	9.0	1.3	5.3	5.3	0.8	25.8	13.0	2.4	3.9	22.5	8.4	2.3	-----	100
1945-49-----	9.4	1.5	2.6	2.2	.2	32.3	15.9	4.1	4.7	21.6	2.9	2.6	-----	100
1950-54-----	9.7	1.6	2.4	2.0	-----	38.2	17.6	7.5	5.8	11.5	1.2	2.5	-----	100
1955-59-----	10.2	3.0	17.2	3.4	1.3	26.3	12.4	1.8	5.0	10.2	.5	2.5	6.2	100
BARLEY														
1940-44-----	27.0	3.5	3.4	2.1	2.6	7.2	4.6	0.2	0.7	42.8	3.6	2.3	-----	100
1945-49-----	25.8	3.9	4.4	2.0	2.6	12.7	6.4	-----	2.0	35.5	2.0	2.7	-----	100
1950-54-----	23.0	2.9	4.4	2.3	2.4	12.4	6.2	-----	2.5	40.5	.5	2.9	-----	100
1955-59-----	19.5	3.0	18.1	3.2	1.8	10.1	3.1	-----	1.4	20.4	.5	11.6	7.3	100

OATS													
1940-44-----	24.0	3.8	0.4	3.8	1.0	11.5	6.1	0.4	0.8	27.2	18.9	2.1	100
1945-49-----	25.2	4.0	.5	4.0	.4	12.9	6.0	.4	1.0	32.3	10.9	2.4	100
1950-54-----	25.2	4.1	.6	4.6	.5	14.0	5.6	.3	1.3	35.0	6.0	2.8	100
1955-59-----	27.0	5.4	.6	5.9	1.0	14.9	5.8	-----	-----	27.1	3.8	3.9	100
WHEAT AND RYE													
1940-44-----	5.9	1.0	0.6	0.2	-----	27.4	15.4	1.7	3.8	40.9	0.7	2.4	100
1945-49-----	5.6	.7	.6	.2	-----	45.5	22.4	2.6	4.8	15.4	.2	2.0	100
1950-54-----	4.7	.4	.7	.3	-----	52.6	22.6	2.8	5.9	8.0	-----	2.0	100
1955-59-----	4.2	.5	1.8	.5	-----	38.5	14.4	2.3	8.2	19.5	-----	3.8	100
OILSEED MEALS													
1940-44-----	23.0	-----	10.0	8.8	2.3	11.0	9.6	3.8	2.8	25.1	0.4	3.2	100
1945-49-----	20.4	-----	11.8	8.4	1.3	12.1	8.4	5.8	3.8	24.3	.1	3.6	100
1950-54-----	15.1	0.4	13.1	10.5	1.0	10.8	6.1	9.8	5.0	23.8	-----	4.4	100
1955-59-----	13.5	1.5	11.1	11.8	2.4	13.4	4.3	16.4	3.3	18.6	-----	3.7	100
ANIMAL PROTEINS													
1940-44-----	-----	-----	-----	-----	-----	8.6	6.3	8.3	6.0	66.5	-----	4.3	100
1945-49-----	-----	-----	-----	-----	-----	8.5	5.2	10.2	6.2	66.3	-----	3.6	100
1950-54-----	-----	-----	-----	-----	-----	9.7	5.5	12.4	5.1	63.3	-----	4.0	100
1955-59-----	-----	-----	-----	-----	-----	20.4	9.3	6.3	10.0	51.2	-----	2.8	100

See footnotes at end of table.

TABLE 11.—Percentage of specified feeds¹ consumed by different kinds of livestock, averages 1940-59—Continued

Period	Dairy cattle		Beef cattle		Sheep and goats	Poultry				Hogs	Horses and mules	Other live-stock	Unal-located	Total
	Milk cows	Other dairy cattle	Grain-fat-tened cattle	Other beef cattle		Hens and pullets	Chick-ens raised	Broilers	Tur-keys					
					Percent					Percent	Percent	Percent	Percent	Percent
		Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
GRAIN PROTEINS														
1940-44-----	71.3	9.9	2.0	0.6	-----	6.1	4.3	1.2	1.0	1.0	-----	2.6	-----	100
1945-49-----	72.1	10.2	2.3	.8	-----	8.3	4.0	-----	-----	.2	0.2	1.9	-----	100
1950-54-----	68.1	8.2	2.2	1.0	-----	11.1	6.5	-----	-----	-----	.4	2.5	-----	100
1955-59-----	37.7	7.3	2.1	1.7	-----	2.4	-----	10.2	8.0	28.1	-----	2.5	-----	100
OTHER BYPRODUCT FEEDS														
1940-44-----	22.8	11.8	1.8	4.5	0.5	17.4	9.8	0.8	1.3	25.3	1.2	2.8	-----	100
1945-49-----	22.9	9.9	3.2	3.6	.4	20.1	10.5	1.6	1.8	21.0	1.5	3.5	-----	100
1950-54-----	23.2	11.3	5.5	5.3	.5	17.9	8.7	2.4	2.0	16.8	1.7	4.7	-----	100
1955-59-----	22.9	10.1	7.8	9.9	-----	21.9	2.3	2.7	.8	17.7	1.0	2.9	-----	100
ALL BYPRODUCT FEEDS														
1940-44-----	23.9	6.3	4.5	5.2	1.0	13.4	9.0	2.7	2.3	27.9	0.7	3.1	-----	100
1945-49-----	22.9	4.9	6.2	5.0	.7	14.9	8.7	4.1	2.9	25.5	.7	3.5	-----	100
1950-54-----	19.5	4.7	8.1	6.8	.6	13.3	6.9	6.9	3.6	24.6	.6	4.4	-----	100
1955-59-----	16.1	4.4	8.0	9.0	1.2	16.4	4.1	10.4	3.7	23.2	.3	3.2	-----	100

¹ Measured in feed units. See table 1 for feeds included.² Starting in 1954 the following amounts of fats (in corn equivalents) were added to livestock feeds, and for the purposes of this table were included under corn: 1954, 187,000 tons; 1955, 330,000 tons; 1956, 499,000 tons; 1957, 556,000 tons; 1958, 619,000 tons; 1959, 569,000 tons.

TABLE 12.—Percentage of specified feeds¹ consumed by different kinds of livestock, averages 1940-59

Period	Milk cows	Other dairy cattle	Grain-fattened cattle	Other beef cattle	Sheep and goats	Hogs and poultry	Horses and mules	Other livestock	Total
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
ALL ROUGHAGE INCLUDING PASTURE									
1940-44	27.4	11.1	1.9	32.1	12.3	2.2	12.7	0.3	100
1945-49	28.6	11.2	2.3	36.0	8.7	2.0	11.0	.2	100
1950-54	26.7	11.4	3.0	44.0	7.0	1.7	6.0	.2	100
1955-59	25.0	11.0	3.7	48.4	6.5	1.8	3.4	.2	100
ALL HARVESTED ROUGHAGE									
1940-44	43.2	9.4	3.5	18.7	5.4	—	19.0	0.8	100
1945-49	46.4	10.0	4.6	20.8	3.6	—	14.0	.6	100
1950-54	45.0	10.3	5.8	27.8	3.1	—	7.4	.6	100
1955-59	44.0	10.8	7.1	32.0	1.6	—	3.9	.6	100
HAY									
1940-44	46.2	9.8	3.8	11.7	6.0	—	21.3	1.2	100
1945-49	49.1	10.9	5.0	18.0	3.8	—	12.3	.9	100
1950-54	46.1	12.1	6.2	25.4	3.5	—	5.7	1.0	100
1955-59	43.0	12.8	7.5	31.3	1.4	—	3.2	.8	100
PASTURE									
1940-44	19.4	12.0	1.1	38.9	15.8	3.3	9.5	—	100
1945-49	19.2	11.8	1.1	44.0	11.3	3.1	9.5	—	100
1950-54	16.3	12.1	1.5	53.1	9.1	2.8	5.1	—	100
1955-59	14.2	11.2	1.7	57.7	9.3	2.8	3.1	—	100

¹ Measured in feed units.

TABLE 13.—*Feed fed per head and per unit of livestock production, average 1955-59*

Type of livestock or livestock product	Feed (actual weight)				Feed (in feed units) ¹			
	Concentrates ²	Hay	Silage ³	Other dry roughage	Concentrates ²	Harvested roughage ⁴	Pasture	Total
Dairy cattle:	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Milk cows Jan. 1, ⁵ per head.....	2, 024	4, 660	4, 999	292	2, 048	2, 750	1, 567	6, 365
Milk per cwt.....	35	80	86	5	35	47	27	109
Other dairy cattle ⁶ per head.....	606	2, 549	1, 201	108	689	1, 245	2, 257	4, 191
Beef cattle:								
Grain-fattened cattle:								
On feed Jan. 1, ⁷ per head.....	3, 449	2, 609	2, 369	43	3, 702	1, 471	635	5, 808
On feed during year ⁸ per head.....	1, 933	1, 462	1, 328	24	2, 075	824	356	3, 255
Per cwt. of gain ⁹	435	329	299	5	467	185	80	732
Other beef cattle Jan. 1, ⁹ per head.....	226	1, 287	369	525	244	778	2, 458	3, 480
All cattle and calves ¹⁰ per cwt.....	151	423	179	110	164	241	598	1, 003
Sheep and lambs:								
On farms Jan. 1, per head.....	52	97	38	83	63	65	603	731
Per cwt. produced ¹¹	102	190	75	162	122	128	1, 180	1, 430
Horses and mules:								
2 years old and over, per head.....	1, 171	2, 158	-----	1, 809	1, 117	1, 517	2, 094	4, 728
Colts, per head.....	150	2, 072	-----	362	148	973	2, 164	3, 285
Hogs ¹² per cwt.....	480	-----	-----	-----	511	-----	26	537
Hens and pullets:								
On farm, Jan. 1, ¹³ per head.....	90	-----	-----	-----	93	-----	2	95
Average number during year, per head.....	106	-----	-----	-----	110	-----	2	112
Per 100 eggs produced.....	53	-----	-----	-----	55	-----	1	56
Chickens raised: ¹⁴								
Per head.....	24. 4	-----	-----	-----	25. 9	-----	1. 2	27. 1
Per cwt. produced.....	520	-----	-----	-----	553	-----	26	579
Broilers:								
Per head.....	8. 8	-----	-----	-----	10. 6	-----	-----	10. 6
Per cwt. produced.....	268	-----	-----	-----	322	-----	-----	322
Turkeys:								
Per head.....	75. 1	-----	-----	-----	86. 1	-----	4	90. 1
Per cwt. produced.....	442	-----	-----	-----	507	-----	26	533

¹ A feed unit is the equivalent in feeding value of a pound (or ton) of corn.
² Includes seeds and skim milk.
³ Includes wet beet pulp.
⁴ Hay, silage, wet beet pulp, corn stover, sorghum forage, and straw.
⁵ The average milk production was 5,808 pounds per cow on farms Jan. 1.
⁶ Includes heifers and heifer calves kept for milk and dairy bulls on hand Jan. 1.
⁷ Quantity of feed fed to all grain-fattened cattle during the year divided by number of cattle on feed Jan. 1.
⁸ Approximately 78 percent more cattle were put on feed in the year than were on feed Jan. 1. Average gain per head was 444

pounds. Grain-fattened cattle in the Corn Belt put on more gain per head than those elsewhere.
⁹ All cattle, except dairy cattle and grain-fattened cattle.
¹⁰ Quantity of feed for all cattle except milk cows was divided by the net live weight production of cattle and calves.
¹¹ With each 100 pounds live weight of sheep and lambs, 19 pounds of wool were produced. However, all feed was charged to meat production.
¹² Includes feed for breeding herd.
¹³ Eggs produced averaged 171 per hen based on the number of hens and pullets on hand Jan. 1, or 202 per hen based on the average number of hens and pullets on hand during the year
¹⁴ For replacement in laying flocks.

TABLE 14.—*Estimated percentage of crude protein in concentrate ration fed to different kinds of livestock, 1940-59*¹

Year beginning Oct. 1	Milk cows	Grain- fattened cattle	Laying flock	Chickens raised	Broilers	Turkeys	Hogs
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1940-----	14.1	10.9	12.6	12.9	19.6	15.8	11.0
1941-----	13.8	10.9	12.5	13.1	18.8	15.7	10.8
1942-----	14.2	11.4	12.6	13.2	17.9	17.0	11.3
1943-----	14.6	11.3	12.5	13.2	18.5	17.4	11.3
1944-----	14.6	11.4	12.7	13.3	17.7	17.1	11.1
1945-----	14.2	11.2	12.4	13.3	18.2	16.8	10.8
1946-----	14.0	11.3	12.6	13.3	18.5	17.2	11.0
1947-----	14.4	11.3	13.3	14.3	18.8	18.4	11.2
1948-----	14.2	11.5	13.0	13.9	18.8	18.1	11.3
1949-----	13.8	11.7	12.8	14.0	19.0	18.7	11.2
1950-----	13.7	11.8	13.4	14.5	19.3	18.7	11.5
1951-----	13.9	11.7	13.4	14.4	19.2	18.9	11.5
1952-----	13.8	11.6	13.4	14.6	19.0	18.6	11.7
1953-----	13.7	11.6	13.2	14.5	19.1	18.6	11.7
1954-----	13.7	11.7	13.6	14.9	19.9	19.2	11.6
1955-----	12.8	12.0	14.3	16.3	18.8	16.7	11.4
1956-----	12.7	11.5	15.2	16.0	19.9	18.5	11.7
1957-----	13.0	11.4	15.2	16.2	19.8	18.6	11.5
1958-----	13.1	11.7	16.1	16.2	19.5	18.5	11.6
1959-----	13.0	11.6	16.3	15.9	19.8	18.6	11.2

¹ Calculated from average digestible protein content for various crops.

TABLE 15.—*Deficit in digestible protein for all livestock, 1940-59*

Year beginning Oct. 1	Concentrates fed ¹	High-protein animal units excluding horses and mules	Assumed percentage digestible protein needed in concentrate feeds	Total digestible protein needed in concentrate feeds	Digestible protein fed	Deficit in digestible protein	Deficit in soybean meal equivalent ²	
							Total	Per animal unit excluding horses and mules
	<i>Million tons</i>	<i>Million units</i>	<i>Percent</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Pounds</i>
1940-44 average-----	125.8	144.0	11.6	14.6	12.6	2.0	4.4	61
1940-----	106.7	125.7	11.6	12.4	10.7	1.7	3.8	60
1941-----	116.9	137.6	11.6	13.6	11.7	1.9	4.2	61
1942-----	140.8	155.6	11.6	16.3	14.1	2.2	4.9	63
1943-----	137.9	155.3	11.6	16.0	13.8	2.2	4.9	63
1944-----	126.7	145.9	11.6	14.7	12.7	2.0	4.4	60
1945-49 average-----	119.1	132.8	11.8	14.1	12.5	1.6	3.6	54
1945-----	130.2	139.5	11.8	15.4	13.7	1.7	3.8	54
1946-----	119.3	132.8	11.8	14.1	12.5	1.6	3.6	54
1947-----	107.7	126.5	11.8	12.7	11.3	1.4	3.1	49
1948-----	115.9	130.9	11.8	13.7	12.2	1.5	3.3	50
1949-----	122.5	134.2	11.8	14.5	12.9	1.6	3.6	54
1950-54 average-----	122.4	135.1	12.0	14.7	13.1	1.6	3.6	53
1950-----	126.1	136.4	12.0	15.1	13.5	1.6	3.6	53
1951-----	128.6	137.0	12.0	15.4	13.8	1.6	3.6	53
1952-----	117.6	133.8	12.0	14.1	12.6	1.5	3.3	49
1953-----	119.9	133.5	12.0	14.4	12.8	1.6	3.6	54
1954-----	119.8	135.0	12.0	14.4	12.8	1.6	3.6	53
1955-59 average-----	134.6	138.2	12.0	16.2	14.8	1.4	3.1	45
1955-----	125.6	138.4	12.0	15.1	13.8	1.3	2.9	42
1956-----	123.6	136.6	12.0	14.8	13.6	1.2	2.7	40
1957-----	132.1	135.8	12.0	15.9	14.5	1.4	3.1	46
1958-----	143.1	140.8	12.0	17.2	15.7	1.5	3.3	47
1959-----	148.4	139.6	12.0	17.8	16.3	1.5	3.3	47

¹ Includes seeds and milk.² 45-percent soybean meal equivalent.

TABLE 16.—*Feed units consumed in producing livestock and livestock products, United States average, 1957-59*¹

CONSUMED IN PRODUCING 100 POUNDS NET LIVE WEIGHT

Item	All feed including pasture	All feed excluding pasture	Grain and other concentrates
	<i>Feed units</i>	<i>Feed units</i>	<i>Feed units</i>
Hogs.....	543	517	517
Cattle and calves ²	1, 038	423	173
Sheep and lambs ³	1, 458	250	118
Chickens, farm-raised.....	584	558	558
Commercial broilers.....	320	320	320
Turkeys.....	527	500	500

¹ A feed unit is a pound of corn or its equivalent in other feed.

² Feed consumed by all cattle, except milk cows, divided by the net live weight production of cattle and calves.

³ Feed consumed by all sheep and lambs divided by the net live weight production. For each 100 pounds live weight production, about 19 pounds of wool were produced.

TABLE 17.—*Concentrates fed per animal unit and per livestock-production unit 1940-59*

Year beginning Oct. 1	Concentrates fed ¹	Animal units ²	Concentrates per animal unit	Livestock-production units ³	Concentrates per livestock-production unit
	<i>Million tons</i>	<i>Million units</i>	<i>Ton</i>	<i>Million units</i>	<i>Ton</i>
1940.....	106. 7	155. 8	0. 68	155. 9	0. 68
1941.....	116. 9	167. 1	. 70	172. 0	. 68
1942.....	140. 8	192. 2	. 73	194. 4	. 72
1943.....	137. 9	193. 1	. 71	190. 8	. 72
1944.....	126. 7	172. 6	. 73	176. 0	. 72
1945.....	130. 2	167. 3	. 78	171. 8	. 76
1946.....	119. 3	159. 6	. 75	167. 8	. 71
1947.....	107. 7	153. 1	. 70	163. 6	. 66
1948.....	115. 9	158. 6	. 73	168. 4	. 69
1949.....	122. 5	163. 8	. 75	175. 3	. 70
1950.....	126. 1	168. 1	. 75	181. 5	. 69
1951.....	128. 6	167. 3	. 77	181. 1	. 71
1952.....	117. 6	158. 9	. 74	176. 4	. 67
1953.....	119. 9	156. 9	. 76	174. 7	. 69
1954.....	119. 8	161. 6	. 74	183. 4	. 65
1955.....	125. 6	165. 3	. 76	187. 7	. 67
1956.....	123. 6	160. 9	. 77	184. 1	. 67
1957.....	132. 1	159. 9	. 83	186. 5	. 71
1958.....	143. 1	167. 7	. 85	198. 2	. 72
1959.....	148. 4	165. 7	. 90	198. 7	. 75

¹ From table 1. Includes corn for forage and corn for grain.

² See Statis. Bul. 324, table 1 (2).

³ See Statis. Bul. 325, table 5 (3).

TABLE 18.—*Hay fed per animal unit*,¹ 1940-59

Year beginning Oct. 1	Hay fed in year ²	Animal units of livestock on farms ³	Hay fed per animal unit
	<i>Million tons</i>	<i>Million units</i>	<i>Tons</i>
1940.....	93. 3	86. 4	1. 08
1941.....	96. 9	90. 4	1. 07
1942.....	105. 2	94. 5	1. 11
1943.....	105. 5	97. 2	1. 09
1944.....	100. 8	95. 6	1. 05
1945.....	103. 0	91. 4	1. 13
1946.....	104. 1	88. 1	1. 18
1947.....	101. 6	84. 0	1. 21
1948.....	96. 3	82. 1	1. 17
1949.....	97. 0	82. 4	1. 18
1950.....	103. 2	85. 6	1. 21
1951.....	109. 6	90. 2	1. 22
1952.....	106. 5	94. 6	1. 13
1953.....	107. 6	95. 7	1. 12
1954.....	108. 2	96. 2	1. 12
1955.....	111. 6	95. 2	1. 17
1956.....	107. 0	91. 9	1. 16
1957.....	111. 4	90. 5	1. 23
1958.....	120. 8	92. 5	1. 31
1959.....	119. 4	94. 8	1. 26

¹ Animal units based on roughage consumption (2).² See table 2.³ See table 3 (2).

TABLE 19.—*Concentrates fed in 1960-61 and 1961-62*¹

Item	Feeding year 1960-61			Feeding year 1961-62		
	Number of live-stock	Rate per head	Concen-trates fed	Number of live-stock	Rate per head	Concen-trates fed
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 tons</i>	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 tons</i>
Milk cows ² -----	19, 342	2, 414	23, 348	19, 148	2, 464	23, 594
Milk heifers and heifer calves ² -----	10, 606	663	3, 517	10, 374	695	3, 604
Cattle on feed ² -----	8, 007	3, 923	15, 706	8, 319	4, 653	19, 355
Other beef cattle ² -----	59, 364	256	7, 586	61, 941	254	7, 865
All sheep ² -----	32, 967	58	952	31, 305	60	944
Horses and mules 2 years old and over ² -----	2, 883	1, 165	1, 680	2, 883	1, 165	1, 680
Colts under 2 years old ² -----	206	146	15	206	146	15
Hens and pullets ² -----	342, 689	88	15, 029	349, 184	89	15, 534
Chickens raised ³ -----	345, 025	24. 5	4, 227	317, 348	25. 9	4, 105
Broilers raised ³ -----	1, 992, 143	8. 3	8, 225	2, 025, 013	8. 6	8, 735
Turkeys raised ³ -----	108, 131	76	4, 100	92, 336	79	3, 636
Hogs ⁴ -----	90, 914	1, 117	50, 754	92, 533	1, 180	54, 611
Other livestock ⁵ -----	-----	-----	6, 500	-----	-----	6, 496
Unallocated-----	-----	-----	11, 402	-----	-----	5, 090
Total-----	-----	-----	153, 041	-----	-----	155, 264

¹ Alaska and Hawaii are not included.² On farms Jan. 1, 1961 and 1962.³ Raised in 1961 and 1962.⁴ Fed in feeding year 1960 and 1961.⁵ Includes other livestock on farms and all livestock not on farms.

TABLE 20.—*High-protein feeds, millfeeds, and other byproduct feeds consumed by livestock, 1940-59*¹

Year beginning Oct. 1	Oilseed meals						Animal proteins				Grain proteins				Millfeeds		Miscellaneous feeds			All by- product feeds
	Cotton- seed	Soy- bean	Lin- seed	Pea- nut	Copra	All oil- seed meals	Tank- age and meat scraps	Fish meal	Dried milk prod- ucts ²	All animal proteins	Gluten feed and meal	Brew- ers' dried grains	Distil- lers' dried grains	All grain proteins	Wheat	Rice	Dried and mo- lasses beet pulp	Alfalfa meal	Other ³	
1940	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1941	1,862	1,491	740	137	175	4,405	802	263	155	1,220	798	116	206	1,120	4,762	125	311	470	2,000	14,413
1942	1,821	1,785	891	71	71	4,639	835	207	145	1,187	1,029	174	345	1,548	4,533	124	294	590	2,000	14,915
1943	2,078	3,074	794	109	34	6,089	877	202	110	1,189	992	230	356	1,578	4,739	145	294	680	1,600	16,314
1944	1,790	3,323	998	111	33	6,255	975	202	160	1,337	900	231	444	1,575	4,963	139	154	734	1,600	17,557
1945	1,982	3,627	459	102	42	6,212	792	228	180	1,200	918	217	634	1,769	5,488	150	175	922	1,600	17,516
1946	1,433	3,655	563	90	69	5,810	745	213	145	1,103	856	213	326	1,395	4,896	155	218	1,192	1,700	16,469
1947	1,434	3,745	370	98	190	5,837	740	202	155	1,097	1,097	230	410	1,737	6,098	166	285	1,040	2,000	18,260
1948	1,953	3,383	606	122	177	6,241	823	233	135	1,191	853	228	353	1,434	5,480	178	297	999	2,000	17,820
1949	2,271	4,158	620	96	171	7,316	854	288	165	1,307	866	233	334	1,433	4,917	190	332	1,122	2,300	18,917
1950	2,382	4,517	670	94	204	7,867	842	324	185	1,351	916	233	352	1,501	4,754	214	352	1,094	2,550	19,683
1951	1,853	5,718	732	130	226	8,659	882	332	180	1,394	1,066	241	642	1,949	4,818	187	443	1,218	2,400	21,068
1952	2,630	5,640	920	99	220	9,129	946	438	175	1,559	911	223	339	1,473	4,974	243	396	1,178	2,750	21,702
1953	2,671	5,510	478	44	213	8,916	1,032	390	175	1,597	955	224	186	1,365	4,720	263	385	1,043	3,350	21,639
1954	2,928	4,965	526	63	196	8,676	1,075	438	480	1,966	1,001	228	244	1,473	4,669	273	497	1,210	3,600	22,364
1955	2,405	5,428	488	18	182	8,321	1,339	395	170	1,904	1,034	238	251	1,523	4,567	303	529	1,324	3,872	22,543
1956	2,511	6,042	439	27	160	9,179	1,557	462	170	2,189	1,072	246	286	1,604	4,487	238	478	1,249	3,627	23,051
1957	2,220	7,093	484	46	181	10,024	1,502	402	165	2,069	1,010	235	290	1,536	4,628	257	552	1,218	3,292	23,576
1958	2,097	7,982	475	45	187	10,766	1,388	409	163	2,060	1,030	225	280	1,535	4,715	242	655	1,284	3,871	25,028
1959	2,198	8,938	417	75	146	11,774	1,480	518	174	2,172	1,046	231	342	1,619	4,698	236	679	1,379	3,838	26,895
1960	2,330	8,450	304	60	133	11,277	1,664	448	153	2,265	1,142	239	359	1,740	4,833	267	746	1,357	4,219	26,704

¹ Feeds fed as such or in mixed or formula feeds. Skim milk, buttermilk, and whey fed as liquids, reported in table 21, are not included in this table. Seeds are also excluded.

² Includes dried and concentrated skim milk, buttermilk, and whey manufactured for animal feed.

³ Hominy feed, oat millfeed, molasses, screenings, and added fats. Data on fats added to livestock feeds were not available until 1954. These amounts of fats were added to livestock feeds: 1954, 78,000 tons; 1955, 127,000 tons; 1956, 192,000 tons; 1957, 271,000 tons; 1958, 238,000 tons; 1959, 219,900 tons.

TABLE 21.—*Seeds and milk consumed by livestock, 1940-59*

Year beginning Oct. 1	Cotton- seed ¹	Soy- beans	Cow- peas ²	Velvet beans ³	Pea- nuts ⁴	All seeds fed	Milk ⁵
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940.....	429	150	42	977	405	2,003	1,900
1941.....	226	118	50	929	375	1,698	1,825
1942.....	342	708	46	750	422	2,268	1,750
1943.....	387	705	31	775	474	2,372	1,625
1944.....	261	568	23	606	359	1,817	1,550
1945.....	216	442	22	472	299	1,451	1,475
1946.....	123	214	18	369	316	1,040	1,450
1947.....	296	78	21	329	303	1,027	1,375
1948.....	179	84	23	251	248	785	1,350
1949.....	412	74	16	207	243	952	1,325
1950.....	180	69	17	258	219	743	1,275
1951.....	325	60	9	240	265	899	1,200
1952.....	204	53	7	153	220	637	1,200
1953.....	72	41	8	123	221	465	1,190
1954.....	217	48	5	49	179	498	1,095
1955.....	221	50	11	97	114	493	1,045
1956.....	205	50	6	136	279	676	935
1957.....	147	44	6	104	144	445	863
1958.....	172	57	7	73	127	436	793
1959.....	248	45	8	67	93	461	737

¹ Quantity left on farms minus seed for following year.² Cowpeas harvested and fed. Cowpeas on acreage grazed disregarded.³ Assumed total production was fed.⁴ Peanuts fed as such and peanuts hogged-off.⁵ Dry equivalent of whole milk, skim milk, buttermilk, and whey fed as liquids.TABLE 22.—*Composition and energy per 100 pounds of common feeds for livestock and poultry* ¹

Item	Livestock except poultry			Poultry		
	Total di- gestible nutrients	Digest- ible protein	Net energy	Total di- gestible nutrients	Digest- ible protein	Produc- tive energy
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Grains:	<i>Pounds</i>	<i>Pounds</i>	<i>Therms</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Therms</i>
Corn (No. 3).....	78.6	6.5	78.6	80	8.0	107.3
Oats.....	70.1	9.4	68.9	62	6.7	76.0
Barley.....	77.7	10.0	70.5	68	9.6	81.1
Wheat.....	80.0	11.1	80.0	73	12.6	102.4
Rye.....	76.5	10.0	70.5	60	9.1	81.7
Sorghum.....	79.9	8.4	77.8	81	10.4	109.1
Oilseed meals:						
Cottonseed meal, 41 percent protein.....	71.7	33.3	71.7	69	28.5	65.9
Linseed meal, 34 percent protein.....	75.3	30.5	77.0	-----	22.4	55.6
Soybean meal, 44 percent protein.....	78.0	42.0	79.6	71	32.5	64.9
Coconut oil meal.....	77.1	18.0	77.1	-----	11.5	61.9
Peanut meal, 45 percent protein.....	84.5	42.4	86.2	-----	30.1	66.9
Animal-protein feeds:						
Tankage, 60 percent protein.....	65.8	50.5	65.8	69	33.3	67.6
Meat scraps, 50 percent protein.....	65.3	40.8	65.3	70	31.1	72.4
Fishmeal, 60 percent protein.....	70.8	53.6	70.8	71	50.5	89.8
Skim milk, dried.....	79.8	29.8	87.8	76	26.3	52.5
Skim milk.....	8.7	3.4	10.4	-----	-----	-----
Buttermilk.....	9.1	3.3	10.4	-----	-----	-----
Other concentrates:						
Gluten meal, 41 percent protein.....	79.7	36.7	80.2	-----	36.1	83.9
Gluten feed, 24 percent protein.....	74.1	21.3	70.0	-----	16.7	56.5
Brewers' dried grains, 25 percent pro- tein or over.....	67.1	22.0	63.6	-----	20.2	100.5
Distillers' dried grains (corn).....	84.0	19.1	84.0	-----	-----	-----
Wheat bran.....	66.9	13.3	61.9	41	10.2	47.5
Wheat middlings.....	79.2	15.4	75.2	48	10.5	58.1
Oat millfeed.....	36.8	2.7	24.0	-----	-----	-----
Hominy feed.....	83.9	7.5	84.5	-----	8.9	86.6
Molasses (cane).....	53.7	0	63.7	-----	2.0	71.4
Dried beet pulp.....	68.7	4.1	73.3	15	2.5	22.0
Wet beet pulp.....	8.8	.8	9.2	-----	-----	-----

See footnote at end of table.

TABLE 22.—*Composition and energy per 100 pounds of common feeds for livestock and poultry*¹—Continued

Item (1)	Livestock except poultry			Poultry		
	Total di- gestible nutrients	Digest- ible protein	Net energy	Total di- gestible nutrients	Digest- ible protein	Produc- tive energy
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Other concentrates—Continued	<i>Pounds</i>	<i>Pounds</i>	<i>Therms</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Therms</i>
Alfalfa meal.....	54.9	12.4	45.2	25	9.1	26.1
Soybeans.....	87.6	33.7	87.6	86	—	—
Cottonseed.....	90.8	17.1	76.6	—	—	—
Cowpeas.....	75.9	19.2	75.9	65	—	—
Velvet beans.....	81.7	19.0	—	—	—	—
Peanuts.....	103.5	20.2	103.5	—	—	—
Hay:						
Alfalfa.....	50.7	10.9	40.6	—	—	—
Red clover.....	51.8	7.2	41.4	20	7.4	40.5
Clover and timothy.....	51.0	4.7	40.8	—	—	—
Lespedeza.....	45.1	5.6	36.5	—	—	—
Soybean.....	48.6	9.8	34.5	—	—	—
Cowpea.....	51.4	12.3	39.1	—	—	—
Peanut vine.....	47.3	5.4	34.1	—	5.0	22.4
Timothy.....	49.1	3.0	37.3	—	—	—
Crested wheatgrass.....	50.8	6.5	38.1	—	—	—
Prairie.....	45.1	2.0	33.8	—	—	—
Millet.....	50.0	4.9	37.5	—	—	—
Sudan grass.....	48.5	4.3	36.5	—	—	—
Oat.....	47.3	4.9	37.8	—	—	—
Johnson grass.....	50.3	2.9	37.7	—	—	—
Fodder, straw, and silage:						
Corn fodder.....	53.9	3.3	36.1	—	—	—
Corn stover.....	45.5	2.0	24.1	—	—	—
Kafir fodder.....	49.6	4.0	36.3	—	—	—
Kafir stover.....	46.3	1.6	25.0	—	—	—
Oat straw.....	44.3	.7	23.3	—	—	—
Wheat straw.....	40.6	.3	10.0	—	—	—
Soybean straw.....	38.6	1.1	18.5	—	—	—
Cottonseed hulls.....	43.7	0	29.3	—	—	—
Corn silage with ears.....	19.8	1.3	15.2	—	—	—
Corn silage, few ears.....	16.2	1.1	13.8	—	—	—
Sorghum silage.....	17.8	1.2	14.7	—	—	—
Grass silage, some legumes, wilted.....	19.1	2.9	16.2	—	—	—
Green roughage:						
Alfalfa.....	14.8	3.5	12.9	—	—	—
Corn fodder.....	16.3	1.2	14.2	—	—	—
Kentucky bluegrass pasture.....	20.7	4.1	18.2	—	—	—
Kentucky bluegrass pasture, in seed.....	21.2	1.7	14.4	—	—	—
Clover and mixed grass pasture.....	13.9	3.4	12.1	—	—	—
Pasture grasses and clover, average humid area.....	16.0	3.0	13.7	—	—	—
Pasture grasses, western plains, active growth.....	21.0	2.3	17.6	—	—	—
Pasture grasses, western plains, mature and weathered.....	40.9	.5	22.5	—	—	—

¹ Feeds with considerable fiber have a lower feeding value for poultry than for other types of livestock, but the feed grains have a much higher productive energy value for poultry than for other livestock. The digestible nutrients in columns 2 and 5 represent the value of the different feeds for maintaining farm animals while the energy values in columns 4 and 7 indicate the worth of the feeds as sources of energy for productive purposes when the feeds are used properly in a well-balanced ration. The energy values do not take into account the value of the feeds as sources of protein, minerals, and vitamins.

The composition and net energy data in columns 2 to 4, inclusive, are taken from Feeds and Feeding, Edition 22 (5, appendix tables I, II). When several grades and classes of feed were given, a grade or class was selected, or several that most nearly represented average conditions were averaged. The net energy data in column 4 are primarily for cattle and sheep, but they may be used for horses and hogs. When a separate figure was given for dairy cows, it was averaged with the other figure. The total digestible nutrients in column 5 were taken from the U.S. Dept. Agr. Yearbook, 1939, p. 842. The productive energy in column 7 and the digestible protein in column 6 were taken from Tex. Agr. Expt. Sta. Bul. 678 (1, table 3). Data showing the digestible protein and total digestible nutrients for many feeds are given separately for cattle, sheep, and hogs in the U.S. Dept. Agr. Yearbook, 1939, pp. 1,071-1,074.

TABLE 23.—*Relative value of common feed materials compared with corn when fed to different kinds of livestock*¹

Item	Dairy cows	Fat-tening cattle	Win-tering beef cattle	Hogs	Fat-tening lambs	Horses and mules	Poultry	Feed unit value, average United States
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Grains:	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Corn.....	100	100	100	100	100	100	100	100
Oats.....	90	85	100	90	80	90	90	90
Barley.....	100	88	100	90	87	95	80	90
Wheat.....	105	105	-----	103	85	95	105	105
Rye.....	90	95	-----	80	85	-----	-----	85
Sorghum.....	100	92	100	90	100	95	95	95
Oilseed meals:								
Cottonseed meal.....	160	190	150	150	200	125	-----	135
Linseed meal.....	160	300	-----	200	225	125	-----	150
Soybean meal.....	170	200	-----	200	225	125	150	165
Coconut oil meal.....	120	90	-----	110	90	90	60	120
Peanut meal.....	160	200	-----	200	225	-----	140	170
Animal-protein feeds:								
Tankage.....	-----	-----	-----	250	-----	-----	170	225
Meat scraps.....	-----	-----	-----	250	-----	-----	165	200
Fishmeal.....	-----	-----	-----	300	-----	-----	250	250
Skim milk, dried.....	-----	-----	-----	-----	-----	-----	200	200
Skim milk.....	-----	-----	-----	30	-----	-----	25	20
Buttermilk.....	-----	-----	-----	30	-----	-----	25	20
Other concentrates:								
Gluten meal.....	165	225	-----	175	200	-----	-----	165
Gluten feed.....	115	-----	-----	-----	90	-----	-----	115
Brewers' dried grains.....	110	-----	-----	-----	100	90	-----	105
Distillers' dried grains (corn).....	130	135	-----	-----	200	-----	-----	140
Wheat bran.....	95	-----	75	-----	90	85	70	90
Wheat middlings.....	100	-----	-----	105	-----	-----	90	100
Oat millfeed.....	45	35	-----	30	35	45	-----	40
Corn and cob meal.....	90	90	-----	-----	-----	-----	90	90
Hominy feed.....	100	100	-----	95	100	100	100	100
Molasses (cane).....	90	85	-----	70	85	80	50	80
Dried beet pulp.....	90	90	-----	-----	90	-----	-----	90
Wet beet pulp.....	10	15	-----	-----	15	-----	-----	15
Alfalfa meal.....	65	-----	-----	70	-----	-----	70	70
Soybeans.....	170	200	-----	150	200	125	100	160
Cottonseed.....	80	140	-----	-----	-----	-----	-----	120
Cowpeas.....	-----	-----	-----	-----	-----	-----	-----	120
Velvet beans.....	100	190	-----	-----	-----	-----	-----	120
Peanuts.....	-----	-----	-----	100	-----	-----	-----	100
Hay:								
All hay, U.S. average.....	40	41	41	-----	42	40	-----	41
Alfalfa.....	60	60	60	150	60	60	-----	55
Red clover.....	55	50	60	-----	60	-----	55	50
Clover and timothy.....	45	-----	50	-----	-----	60	-----	45
Lespedeza (annual).....	55	50	-----	150	-----	60	60	45
Soybean.....	50	40	45	150	50	55	-----	50
Cowpea.....	55	50	50	-----	60	60	-----	55
Peanut.....	55	50	-----	-----	60	60	-----	45
Timothy.....	40	-----	45	-----	30	55	-----	40
Crested wheat grass.....	-----	-----	50	-----	-----	55	-----	45
Prairie.....	50	-----	45	-----	35	50	-----	40
Millet.....	-----	-----	-----	-----	-----	50	-----	40
Sudan grass.....	-----	-----	45	-----	-----	50	-----	40
Oat.....	-----	50	60	-----	-----	-----	-----	45
Johnson grass.....	-----	-----	-----	-----	-----	50	-----	45

See footnote at end of table.

TABLE 23.—*Relative value of common feed materials compared with corn when fed to different kinds of livestock*¹—Continued

Item	Dairy cows	Fat-tening cattle	Win-tering beef cattle	Hogs	Fat-tening lambs	Horses and mules	Poultry	Feed unit value, average United States
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Fodder, straw, and silage:	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn fodder.....	40	50	60	-----	65	-----	-----	40
Corn stover.....	15	10	50	-----	-----	45	-----	25
Kafir fodder.....	40	40	50	-----	50	60	-----	40
Kafir stover.....	15	10	50	-----	-----	50	-----	25
Oat straw.....	20	10	50	-----	-----	45	-----	35
Wheat straw.....	-----	-----	40	-----	-----	35	-----	25
Soybean straw.....	-----	-----	40	-----	15	-----	-----	20
Cottonseed hulls.....	10	25	40	-----	-----	-----	-----	25
Corn silage with ears.....	20	30	25	-----	30	-----	-----	20
Corn silage, few ears.....	15	18	18	-----	-----	-----	-----	15
Sorghum silage with heads.....	18	25	20	-----	20	-----	-----	18
Grass silage.....	20	25	20	-----	20	-----	-----	20

¹ The purpose of this table is to give data for converting different feeds into the feeding equivalent of corn. In the data shown in column 9, 100 pounds of gluten meal are equivalent in feeding value for mixed livestock to 165 pounds of corn and 100 pounds of average alfalfa hay are equal to 55 pounds of corn. Another way of stating it is that 100 pounds of gluten meal make 165 feed units—a feed unit is the equivalent in feeding value of a pound (or ton if data is presented in tons) of corn—and 100 pounds of alfalfa make 55 feed units. Feeds are of different values for different classes of livestock, as shown in columns 2 to 8 inclusive. These values assume that the feed is fed as part of a properly balanced ration and that it is fed to livestock of the age to which it is suited. It also assumes that the grains are ground if this is desirable. If high-protein feeds are fed more liberally than is necessary to balance the ration, their value will not be as high as given in this table, but only as much as their net energy value compared with corn (table 22). Few experiments have been made in which hay or other roughage is compared with corn or other concentrates. When experimental evidence was not available it was assumed, from the composition, that alfalfa hay was worth 60 percent as much as corn. Other roughages were compared with alfalfa as 100 percent as shown by experimental data. Then 60 percent of this value was used as the value compared to corn. Because the data comparing different feeds for poultry were less complete than for most other classes of livestock, the composition of feeds shown in table 22 was used in estimating feed values for poultry.

The data in columns 2 to 8 present a general comparison in feeding value of corn and other feeds as determined by feeding experiments for livestock fed fairly good rations under better than average conditions. The data are general indications rather than precise measures. Estimates of average values of the different feeds compared with corn for the United States are given in column 9. These reflect (1) the values in the preceding columns, taking into account the proportion of the feed fed to different livestock and (2) comparison of the composition with other feeds. Allowance was made in column 9 for losses in feeding value of hay and other roughages because of harvesting and curing conditions. The values for hay and other roughage in columns 2 to 8 are probably for better-than-average quality of roughage.

TABLE 24.—*Pigs saved, poultry raised, and goats clipped during year, 1940-60*

Calendar year	Pigs saved ¹			Chickens raised		Broilers	Turkeys			Goats clipped
	Spring	Fall	Total	All	Pullets on farms Jan. 1 following		Heavy	Light	Total	
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>Million head</i>	<i>Million head</i>	<i>Million head</i>	<i>Million head</i>	<i>Million head</i>	<i>Million head</i>	<i>1,000 head</i>
1940-----	49,584	30,282	79,866	634	240	143	-----	-----	33.8	4,297
1941-----	49,368	35,584	84,952	745	278	192	-----	-----	32.6	4,542
1942-----	61,093	43,810	104,903	844	319	228	-----	-----	32.5	4,322
1943-----	74,223	47,584	121,807	1,001	350	285	-----	-----	31.8	4,276
1944-----	55,754	30,905	86,659	832	301	274	-----	-----	35.1	4,109
1945-----	52,216	34,611	86,827	890	322	366	-----	-----	42.9	4,291
1946-----	52,191	30,503	82,694	738	281	293	-----	-----	40.1	3,939
1947-----	52,199	31,090	83,289	719	278	310	-----	-----	34.0	3,672
1948-----	50,468	33,358	83,826	615	258	371	-----	-----	31.5	3,164
1949-----	56,969	36,275	93,244	705	287	513	-----	-----	41.3	2,558
1950-----	57,958	39,423	97,381	620	258	631	-----	-----	44.4	2,530
1951-----	61,298	39,288	100,586	623	261	789	-----	-----	53.3	2,472
1952-----	55,135	33,694	88,829	561	238	861	-----	-----	62.3	2,287
1953-----	47,940	29,974	77,914	548	255	947	43.4	16.4	59.8	2,337
1954-----	52,852	33,978	86,830	540	257	1,048	48.5	19.2	67.7	2,618
1955-----	57,610	38,119	95,729	459	239	1,092	48.8	16.8	65.6	2,984
1956-----	53,124	36,302	89,426	471	250	1,344	63.1	13.7	76.8	3,151
1957-----	51,263	36,099	87,362	394	227	1,448	68.0	13.4	81.4	3,231
1958-----	51,354	42,179	93,533	421	246	1,660	67.2	12.3	79.5	3,417
1959-----	56,620	42,775	99,395	386	225	1,737	68.7	15.8	84.5	3,755
1960-----	47,282	41,105	88,387	332	209	1,795	74.4	10.3	84.7	3,889

¹ Number of spring pigs on hand June 1 or fall pigs on hand Dec. 1, plus those sold before those dates.TABLE 25.—*Livestock production on farms, 1940-60* ¹

Calendar year	Milk	Cattle and calves	Hogs	Sheep and lambs	Wool ²	Eggs	Broilers	Turkeys	Chickens raised ³
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million eggs</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1940-----	109,412	15,702	17,043	2,101	434	39,707	413	502	2,598
1941-----	115,088	17,029	17,489	2,251	453	41,894	559	512	3,054
1942-----	118,533	18,568	21,105	2,313	455	48,610	674	522	3,546
1943-----	117,017	19,159	25,375	2,108	444	54,547	833	509	4,206
1944-----	117,023	19,708	20,584	1,938	412	58,537	818	584	3,578
1945-----	119,828	19,517	18,843	1,912	378	56,221	1,107	740	3,829
1946-----	117,697	18,999	18,744	1,762	342	55,962	884	714	3,246
1947-----	116,814	19,130	18,159	1,567	308	55,384	936	611	3,165
1948-----	112,671	18,402	18,222	1,383	278	54,899	1,127	574	2,768
1949-----	116,103	19,274	19,457	1,278	248	56,154	1,570	769	3,102
1950-----	116,602	21,185	20,214	1,336	249	58,954	1,945	817	2,789
1951-----	114,681	22,990	21,436	1,372	254	58,063	2,415	950	2,803
1952-----	114,671	24,933	19,727	1,471	267	58,068	2,624	1,049	2,524
1953-----	120,221	27,405	16,800	1,538	274	57,891	2,904	1,008	2,573
1954-----	122,094	27,580	18,218	1,607	279	58,933	3,236	1,161	2,430
1955-----	122,945	28,099	20,154	1,618	283	59,526	3,350	1,091	2,144
1956-----	124,860	27,531	19,089	1,569	283	61,113	4,270	1,274	2,145
1957-----	124,628	26,555	18,413	1,534	273	61,026	4,683	1,356	1,875
1958-----	123,220	26,764	19,180	1,657	274	61,607	5,431	1,356	1,976
1959-----	121,989	28,280	21,273	1,713	294	63,335	5,763	1,433	1,803
1960-----	122,803	28,721	19,216	1,653	299	61,491	6,017	1,491	1,584

¹ Live weight production except for milk, wool, and eggs.² Includes pulled wool.³ Number of chickens raised multiplied by average weight per head of chickens sold. This production figure is used to determine feed fed per 100 pounds.

TABLE 26.—*Livestock production and related data, feeding year, 1940-59*¹

Year beginning Oct. 1	Live weight production							Hogs fed in year	Milk production	Eggs produced	Average number of layers
	Grain-fat-tened cattle	Other cattle	All cattle and calves	Hogs	Sheep and lambs	Chickens raised	Broilers	Turkeys			
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million eggs	Million head
1940.....	2,134	14,564	16,698	16,900	2,214	3,654	559	512	79,755	47,951	294
1941.....	2,256	15,927	18,183	19,400	2,298	3,546	674	522	90,503	47,498	330
1942.....	2,225	16,787	19,012	24,100	2,159	4,206	833	509	111,012	53,880	375
1943.....	2,062	17,509	19,571	23,600	1,980	3,578	818	584	112,926	56,890	397
1944.....	2,265	17,300	19,565	18,800	1,918	3,829	1,107	740	86,107	56,276	373
1945.....	2,387	16,741	19,128	18,900	1,800	3,246	884	714	86,816	55,468	363
1946.....	2,451	16,646	19,097	18,300	1,618	3,165	936	611	82,718	55,085	346
1947.....	2,379	16,205	18,584	18,400	1,429	2,708	1,127	574	82,433	54,281	355
1948.....	2,638	16,418	19,056	18,600	1,304	3,102	1,570	769	87,037	54,893	327
1949.....	2,766	17,942	20,708	19,800	1,322	2,789	1,945	817	93,746	58,720	342
1950.....	2,890	19,649	22,539	21,100	1,363	2,893	2,415	950	99,011	57,721	329
1951.....	3,413	21,034	24,447	20,600	1,446	2,824	2,624	1,049	97,494	57,809	324
1952.....	3,509	23,278	26,757	18,600	1,521	2,573	2,904	1,008	84,170	57,436	313
1953.....	3,780	23,756	27,536	17,400	1,590	2,430	3,236	1,161	81,175	58,382	313
1954.....	4,335	23,635	27,970	19,500	1,615	2,144	3,350	1,091	89,941	59,635	312
1955.....	4,435	23,238	27,673	19,700	1,581	2,145	4,270	1,274	93,069	60,427	310
1956.....	4,579	22,220	26,799	18,600	1,542	1,875	4,683	1,356	88,122	61,516	310
1957.....	4,724	21,988	26,712	18,800	1,626	1,976	5,431	1,326	97,304	60,779	304
1958.....	5,434	22,467	27,901	20,800	1,699	1,803	5,763	1,433	96,991	63,546	307
1959.....	6,273	22,338	28,611	20,200	1,668	1,854	6,017	1,491	93,339	62,069	298

¹ Data for calendar-year production were converted to feeding-year production to relate feed production and consumption more closely to livestock production. For method of calculation see *Statist. Bul.* 325, p. 5 (3).

TABLE 27.—All feed grains ¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep ²			Poultry					Horses and mules ³	Other live- stock ³	Un- allo- cated ⁴	All feed grains fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fat- tened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep	Hens and pul- lets	Chick- ens and raised	Broil- ers	Tur- keys	All poultry				
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	
1940	11,479	2,254	13,733	4,885	1,858	6,743	—	—	936	9,145	6,065	786	1,212	17,208	36,997	10,632	2,114	1,000
1941	12,562	2,765	15,327	5,305	1,500	6,805	—	—	1,030	11,180	7,110	940	1,280	20,510	42,004	10,320	2,410	1,000
1942	13,416	3,475	16,891	5,470	2,315	7,785	—	—	1,065	13,696	8,725	1,275	1,105	24,701	56,208	10,695	3,155	1,000
1943	13,276	3,475	16,751	5,490	2,075	7,565	—	—	965	14,293	7,595	1,145	1,230	24,293	54,112	10,220	3,230	1,000
1944	13,632	3,240	16,872	5,690	1,970	7,660	—	—	960	13,365	7,995	1,545	1,495	24,400	43,579	9,360	2,980	1,000
1945	13,524	3,115	16,639	6,665	2,235	8,900	—	—	910	14,058	6,655	1,245	1,430	23,388	49,258	8,770	2,895	1,000
1946	12,991	3,080	16,071	6,212	1,975	8,187	—	—	785	12,476	6,380	1,230	1,155	21,241	41,882	7,730	2,685	1,000
1947	12,283	2,515	14,798	4,995	1,195	6,190	—	—	710	11,890	5,901	1,405	1,015	19,601	37,756	6,315	2,130	1,000
1948	12,926	2,556	15,782	7,065	1,690	8,755	—	—	632	12,250	6,095	1,825	1,350	21,620	40,052	5,667	2,420	1,000
1949	13,314	2,609	15,923	6,421	2,153	8,574	—	—	601	14,340	6,034	2,118	1,394	23,886	43,359	5,061	3,109	1,000
1950	12,766	2,865	15,631	6,820	3,800	10,620	—	—	585	13,150	5,740	2,525	1,520	22,935	45,626	4,410	3,180	1,000
1951	12,477	3,103	15,580	7,976	4,885	12,861	—	—	675	12,950	5,080	2,740	1,635	22,405	46,258	3,770	3,260	1,000
1952	13,090	3,100	16,190	7,637	3,620	11,257	—	—	685	12,872	5,120	3,005	1,610	22,597	36,469	3,400	3,545	1,000
1953	13,182	3,065	16,247	7,378	3,455	10,833	—	—	670	12,663	4,820	3,275	1,810	22,568	38,852	2,925	3,770	1,000
1954	13,567	2,770	16,337	8,287	3,035	11,322	—	—	680	11,805	3,693	3,025	1,620	20,143	40,845	2,510	3,825	1,000
1955	16,093	2,628	18,721	7,320	2,967	10,287	321	234	555	11,885	4,343	3,780	2,135	22,143	43,036	2,067	4,172	1,000
1956	16,981	2,563	19,444	7,725	2,854	10,579	316	237	553	11,682	3,806	3,736	2,294	21,518	37,995	1,893	4,196	1,000
1957	16,191	2,531	18,722	8,671	2,892	11,563	322	224	546	11,451	4,036	4,403	2,194	22,174	38,560	1,759	4,996	1,000
1958	15,727	2,337	18,064	10,120	3,859	13,979	501	248	749	11,247	3,881	4,584	2,150	21,862	46,495	1,653	5,079	1,000
1959	16,981	2,360	19,341	12,131	4,454	16,585	504	238	742	10,626	3,358	4,497	2,257	20,738	45,579	1,563	5,168	1,000

¹ Corn, excluding corn in silage, oats, barley, sorghum grains, wheat, and rye. Includes grain fed as such, corn for forage, or in mixed or formula feeds.

² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.

³ Other livestock on farms and all livestock not on farms.

⁴ Probably includes some waste and other losses.

TABLE 28.—*Corn¹ fed to different kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle			Beef cattle			Poultry				
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fattened cattle	Other beef cattle	All beef cattle	Hens and pullets	Chick- ens raised	Broilers	Turkeys	All poultry
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	5,199	1,289	6,488	4,450	1,018	5,468	5,340	3,915	636	822	10,713
1941-----	6,137	1,790	7,927	4,820	665	5,485	6,060	4,010	720	730	11,520
1942-----	6,116	2,370	8,486	4,820	1,295	6,115	7,006	4,835	895	360	13,096
1943-----	6,891	2,480	9,371	4,990	1,165	6,155	7,768	4,360	735	420	13,283
1944-----	7,478	2,335	9,813	5,175	1,085	6,260	6,995	4,625	1,165	785	13,570
1945-----	6,789	2,020	8,809	6,220	1,180	7,400	7,567	3,475	880	775	12,697
1946-----	6,576	2,180	8,756	5,922	1,160	7,082	7,186	3,720	990	685	12,581
1947-----	6,178	1,570	7,748	4,695	640	5,335	5,530	2,240	1,120	370	9,260
1948-----	6,836	1,806	8,642	6,735	835	7,570	6,846	3,595	1,550	795	12,786
1949-----	7,665	1,725	9,390	6,118	1,367	7,485	9,116	3,609	1,838	834	15,397
1950-----	6,591	1,895	8,486	6,450	2,915	9,365	6,915	2,875	2,035	820	12,545
1951-----	6,527	2,093	8,620	7,606	3,945	11,551	6,746	2,500	2,300	965	12,511
1952-----	7,650	2,205	9,855	7,322	2,775	10,097	7,435	2,735	2,670	985	13,825
1953-----	7,642	2,135	9,777	7,043	2,575	9,618	7,603	2,691	3,030	1,115	14,439
1954-----	6,872	1,859	8,731	7,802	1,900	9,702	6,131	1,379	2,710	905	11,125
1955-----	8,838	1,269	10,107	5,695	1,712	7,407	6,337	1,874	3,702	1,650	13,563
1956-----	10,374	1,238	11,612	5,957	1,732	7,689	5,985	1,645	3,655	1,776	13,061
1957-----	9,943	1,201	11,144	6,323	1,752	8,075	5,288	1,533	4,383	1,589	12,793
1958-----	9,673	1,025	10,698	7,403	2,589	9,992	5,373	1,456	4,477	1,517	12,823
1959-----	10,576	1,168	11,744	8,668	2,589	11,257	5,001	1,161	4,021	1,589	11,772

Year beginning Oct. 1	Sheep ²			Hogs	Horses and mules	Other live- stock ³	Un- allo- cated ⁴	All corn fed to all live- stock	Corn in silage			
	Stock sheep	Sheep on feed	All Sheep						Dairy cattle	Beef cattle	Sheep	All corn in silage fed
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	-----	-----	601	28,856	6,212	1,514	-----	59,852	4,084	330	80	4,494
1941-----	-----	-----	675	32,770	6,425	1,615	-----	66,417	3,877	322	82	4,281
1942-----	-----	-----	760	40,595	6,630	2,185	-----	77,867	4,030	345	83	4,458
1943-----	-----	-----	695	38,413	6,555	2,295	-----	76,767	3,964	369	80	4,413
1944-----	-----	-----	740	33,461	6,020	2,175	-----	72,039	4,346	400	90	4,836
1945-----	-----	-----	665	36,742	4,870	1,995	-----	73,178	4,313	390	85	4,788
1946-----	-----	-----	595	34,082	5,270	2,000	-----	70,366	4,661	415	90	5,166
1947-----	-----	-----	525	30,697	4,425	1,505	-----	59,495	4,142	370	80	4,592
1948-----	-----	-----	417	31,426	3,977	1,710	-----	66,528	4,957	432	87	5,476
1949-----	-----	-----	413	35,674	3,661	2,437	-----	74,457	5,048	664	36	5,748
1950-----	-----	-----	395	36,985	2,890	2,430	-----	73,096	4,604	1,196	42	5,842
1951-----	-----	-----	490	37,039	2,460	2,520	-----	75,191	4,497	1,074	43	5,614
1952-----	-----	-----	520	28,348	2,330	2,770	-----	67,745	5,065	1,555	46	6,666
1953-----	-----	-----	480	30,573	1,885	2,970	-----	69,742	5,672	1,599	46	7,317
1954-----	-----	-----	450	31,463	1,525	2,925	-----	65,921	5,847	2,018	44	7,909
1955-----	73	78	151	34,310	1,204	2,682	-----	69,424	5,696	1,811	53	7,560
1956-----	67	78	145	31,755	1,103	2,698	1,819	69,882	6,287	1,941	47	8,275
1957-----	72	75	147	32,267	1,044	3,236	4,812	73,518	6,261	1,899	47	8,207
1958-----	215	98	313	37,526	981	3,290	4,880	80,503	6,390	2,172	45	8,607
1959-----	326	101	427	40,753	908	3,555	7,680	88,096	6,664	2,316	49	9,029

¹ Includes corn fed as grain, corn for forage, or mixed in formula feeds, but not corn in silage. Because corn silage is considered a roughage in this report, it is shown separately. Corn in silage was calculated by States by multiplying acreage harvested for silage by average yield of all corn.

² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.

³ Other livestock on farms and all livestock not on farms.

⁴ Probably includes some waste and other losses.

TABLE 29.—Oats¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle		Sheep ²		Poultry				Hogs	Horses and mules	Other live- stock ³	Un- allo- cated ⁴	Total
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fat- tened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep	Hens and pul- lets	Chick- ens raised	Broil- ers	Tur- keys	All poultry		
1940-----	1,000 tons 4,435	1,000 tons 710	1,000 tons 5,145	1,000 tons 105	1,000 tons 585	1,000 tons 690	1,000 tons -----	1,000 tons -----	1,000 tons 135	1,000 tons 1,700	1,000 tons 940	1,000 tons 55	1,000 tons 160	1,000 tons 2,855	1,000 tons 3,965	1,000 tons 350
1941-----	4,085	655	4,740	100	545	645	-----	-----	125	1,960	1,190	55	145	3,390	4,312	350
1942-----	4,670	730	5,400	90	710	800	-----	-----	110	2,020	1,140	80	150	3,590	4,520	330
1943-----	3,800	640	4,440	80	620	700	-----	-----	100	2,300	1,000	70	140	3,510	4,066	450
1944-----	4,304	640	4,944	80	620	700	-----	-----	90	2,300	1,210	70	140	3,720	4,083	410
1945-----	5,300	890	6,190	110	870	980	-----	-----	130	2,600	1,300	100	200	4,200	7,919	570
1946-----	5,260	730	5,990	95	715	810	-----	-----	105	2,340	1,150	80	160	3,730	5,815	470
1947-----	4,900	760	5,660	85	445	530	-----	-----	95	2,440	1,121	50	175	3,786	5,145	370
1948-----	4,830	860	5,690	100	740	840	-----	-----	110	2,730	1,190	100	200	4,220	6,799	490
1949-----	4,494	728	5,222	100	686	786	-----	-----	100	2,522	1,100	100	200	3,922	6,041	457
1950-----	4,840	785	5,625	110	740	850	-----	-----	100	2,720	1,185	110	215	4,230	6,584	490
1951-----	4,780	850	5,630	120	800	920	-----	-----	100	2,750	1,100	110	220	4,180	7,031	500
1952-----	4,500	770	5,270	110	730	840	-----	-----	90	2,500	1,000	100	200	3,800	6,374	560
1953-----	4,500	780	5,280	100	750	850	-----	-----	100	2,500	1,000	-----	300	3,800	6,202	500
1954-----	5,230	750	6,040	120	950	1,070	-----	-----	110	2,800	1,000	-----	300	4,100	7,013	600
1955-----	5,672	1,025	6,697	98	953	1,051	200	15	215	2,664	1,182	-----	-----	3,846	6,750	797
1956-----	4,846	1,000	5,846	100	832	932	205	16	221	2,735	1,081	-----	-----	3,770	6,508	655
1957-----	4,503	905	5,408	105	835	940	200	15	221	2,600	1,031	-----	-----	3,681	6,360	700
1958-----	4,361	936	5,297	154	892	1,046	223	13	242	2,655	1,000	-----	-----	3,655	6,111	702
1959-----	4,581	834	5,415	135	1,135	1,270	103	15	118	2,475	870	-----	-----	3,351	5,928	610

¹ Includes oats fed as grain or in mixed or formula feeds.² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.³ Other livestock on farms and all livestock not on farms.⁴ Probably includes some waste and other losses.

TABLE 30.—Barley¹ fed to different kinds of livestock, 1940–59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep ²		Poultry				Horses and mules	Other live- stock ³	Un- allo- cated ⁴	All barley fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fat- tened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep	Hens and pul- lets	Chick- ens raised	Broil- ers	Tur- keys	All poultry		
1940.....	1,005 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1941.....	1,500	195	1,695	150	105	255	-----	-----	165	405	270	15	30	720	2,305	125
1942.....	1,650	215	1,865	165	125	290	-----	-----	185	430	335	20	45	730	2,816	145
1943.....	1,600	210	1,810	330	135	465	-----	-----	185	520	330	20	75	945	3,313	200
1944.....	1,480	180	1,660	185	115	300	-----	-----	160	565	360	20	50	995	2,640	175
1945.....	1,015	135	1,150	210	85	295	-----	-----	120	510	340	10	30	890	1,691	165
1946.....	830	125	955	190	75	265	-----	-----	110	550	210	10	20	790	1,692	160
1947.....	710	110	820	130	55	185	-----	-----	80	375	230	-----	40	645	1,113	40
1948.....	770	120	890	145	60	205	-----	-----	85	415	250	-----	100	765	1,130	90
1949.....	890	140	1,030	165	70	235	-----	-----	100	595	290	-----	115	1,000	1,148	45
1950.....	781	105	886	143	60	203	-----	-----	86	513	250	-----	100	863	1,006	38
1951.....	770	110	880	140	60	200	-----	-----	85	500	250	-----	100	850	1,309	30
1952.....	700	90	790	150	70	220	-----	-----	85	500	250	-----	100	850	1,505	20
1953.....	620	80	700	130	65	195	-----	-----	75	440	220	-----	90	750	1,286	15
1954.....	740	100	840	160	80	240	-----	-----	90	530	260	-----	110	900	1,602	15
1955.....	1,000	100	1,100	260	110	370	-----	-----	120	620	300	-----	110	1,030	1,854	10
1956.....	1,005	157	1,162	747	179	926	24	84	108	668	228	-----	80	976	1,380	33
1957.....	1,046	153	1,199	873	160	1,033	27	85	112	659	200	-----	85	944	1,200	80
1958.....	935	140	1,075	973	150	1,123	25	75	100	600	200	-----	75	875	1,141	25
1959.....	910	140	1,050	1,140	167	1,307	28	67	95	613	185	-----	78	876	1,216	24
1960.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1961.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1962.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1963.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1964.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1965.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1966.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1967.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1968.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1969.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1970.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1971.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1972.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1973.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1974.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1975.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1976.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1977.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1978.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1979.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1980.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1981.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1982.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1983.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1984.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1985.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1986.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1987.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1988.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1989.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1990.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1991.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1992.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1993.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1994.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1995.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1996.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1997.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1998.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
1999.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2000.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2001.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2002.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2003.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2004.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2005.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2006.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2007.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2008.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2009.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2010.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2011.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2012.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2013.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2014.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2015.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2016.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2017.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2018.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2019.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2020.....	844	131	975	1,257	123	1,380	25	75	100	545	134	-----	105	784	1,588	25
2021.....	844	131	975	1,257	123											

TABLE 31.—*Sorghum grains*¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep ²			Poultry				Hogs	Horses and mules	Other live- stock ³	Un- allo- cated ⁴	All sor- ghum grains fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fed- cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep	Hens and pul- lets	Chick- ens raised	Broil- ers	Tur- keys	All poultry				
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940.....	185	30	215	150	140	290	35	560	610	270	45	85	960	1,180	200	50	---	3,328
1941.....	380	40	390	170	150	320	45	610	610	395	60	115	1,180	1,320	330	65	---	3,099
1942.....	230	40	270	160	150	310	10	750	750	370	80	120	1,320	1,320	340	70	---	2,980
1943.....	215	35	250	155	145	300	10	760	760	325	75	110	1,270	1,270	225	65	---	2,711
1944.....	290	45	335	175	160	335	10	950	950	570	100	150	1,770	1,770	155	90	---	3,622
1945.....	190	30	220	100	90	190	5	650	650	370	70	100	1,190	1,190	100	60	---	2,355
1946.....	190	30	220	45	35	80	5	675	675	330	60	80	1,145	1,145	70	50	---	2,110
1947.....	165	25	190	40	30	70	5	695	695	290	85	90	1,160	1,160	40	50	---	1,831
1948.....	190	30	220	45	35	80	5	677	677	330	100	100	1,207	1,207	469	45	---	2,081
1949.....	164	25	189	40	30	70	2	579	579	285	100	100	1,064	1,064	33	45	---	1,787
1950.....	370	60	430	100	75	175	5	1,505	1,505	700	300	225	2,730	2,730	60	100	---	3,960
1951.....	300	50	350	80	60	140	---	1,210	1,210	560	240	180	2,190	2,190	413	40	---	3,213
1952.....	200	35	235	55	40	95	---	797	797	385	165	125	1,472	1,472	275	25	---	2,157
1953.....	200	35	235	55	40	95	---	840	840	385	165	125	1,515	1,515	265	25	---	2,190
1954.....	315	56	371	85	65	150	---	1,364	1,364	610	260	200	2,434	2,434	25	85	---	3,480
1955.....	528	166	694	691	112	803	24	1,422	1,422	699	28	174	2,323	2,323	407	33	---	4,461
1956.....	549	162	711	775	100	875	17	1,590	1,590	700	29	233	2,612	2,612	327	30	---	4,822
1957.....	760	230	990	1,250	150	1,400	25	2,271	2,271	982	50	400	3,703	3,703	518	40	---	7,521
1958.....	735	226	961	1,395	167	1,562	29	1,936	1,936	1,017	48	418	3,379	3,379	965	37	---	7,542
1959.....	774	217	991	2,048	597	2,645	50	1,896	1,896	892	476	438	3,742	3,742	1,498	20	---	10,350

¹ Includes sorghum grains fed as such or in mixed or formula feeds.² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.³ Other livestock on farms and all livestock not on farms.⁴ Probably includes some waste and other losses.

TABLE 32.—Wheat and rye ¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep	Poultry				Hogs	Horses and mules	Other live-stock ²	Unallo- cated ³	All wheat and rye fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain-fattened cattle	Other beef cattle	All beef cattle		Hens and pullets	Chick-ens raised	Broilers	Tur-keys	All poultry				
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940	160	30	190	30	10	40	—	1,140	670	35	115	1,980	299	40	75	2,604
1941	340	65	405	50	15	65	—	2,120	1,280	85	245	3,730	1,387	80	255	5,922
1942	800	125	925	70	25	95	—	3,300	2,050	200	400	5,950	5,616	70	250	12,906
1943	890	140	1,030	80	30	110	—	2,900	1,550	245	510	5,205	7,602	80	285	14,312
1944	545	85	630	50	20	70	—	2,610	1,250	200	390	4,450	3,417	50	175	8,792
1945	415	50	465	45	20	65	—	2,691	1,300	185	335	4,511	2,315	40	150	7,546
1946	255	30	285	20	10	30	—	1,900	950	100	190	3,140	332	—	75	3,862
1947	270	40	310	30	20	50	—	2,800	1,400	150	280	4,630	468	—	110	5,568
1948	180	20	200	20	10	30	—	1,402	690	75	140	2,307	210	—	55	2,802
1949	210	26	236	20	10	30	—	1,610	790	80	160	2,640	254	—	74	3,234
1950	195	15	210	20	10	30	—	1,610	730	80	160	2,580	288	—	60	3,168
1951	170	20	190	20	10	30	—	1,744	670	90	170	2,674	270	—	60	3,224
1952	120	10	130	20	10	30	—	1,700	780	70	200	2,750	236	—	50	3,196
1953	100	15	115	20	10	30	—	1,190	484	80	160	1,914	210	—	55	2,324
1954	90	5	95	20	10	30	—	890	404	55	105	1,454	100	—	45	1,724
1955	50	11	61	89	11	100	—	794	390	50	231	1,435	239	—	67	1,902
1956	56	10	66	20	10	30	—	713	226	52	140	1,131	205	—	64	1,518
1957	50	10	60	20	10	30	—	692	240	60	130	1,122	202	—	75	1,630
1958	48	10	58	23	11	39	—	710	223	59	137	1,129	790	—	76	2,292
1959	206	10	216	23	10	33	—	669	295	—	125	1,089	418	—	250	2,082

¹ Includes wheat and rye fed as such or in mixed or formula feeds.² Other livestock on farms and all livestock not on farms.³ Probably includes some waste and other losses.

TABLE 33.—Oilseed meals ¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep ²			Poultry					Hogs and mules	Other live- stock ³	All oilseed meals fed
	Dairy cattle			Beef cattle			Sheep ²			Poultry							
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fat- tened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep	Hens and pullets	Chick- ens raised	Broil- ers	Tur- keys	All poultry			
1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	
1940-----	1,190	25	1,215	310	535	845	105	485	410	180	140	1,215	830	30	155	4,405	
1941-----	1,059	-----	1,059	330	580	910	110	565	535	210	140	1,450	895	30	185	4,639	
1942-----	1,299	-----	1,299	400	435	835	110	800	730	245	160	1,935	1,660	30	220	6,089	
1943-----	1,580	-----	1,580	415	645	1,060	100	840	645	230	190	1,905	1,345	30	225	6,255	
1944-----	1,672	-----	1,672	440	530	970	90	780	700	315	250	2,045	1,190	30	215	6,212	
1945-----	1,500	5	1,505	500	575	1,075	85	850	610	290	240	1,990	935	20	200	5,810	
1946-----	1,210	-----	1,210	504	505	1,009	75	760	565	330	280	1,885	1,423	15	220	5,837	
1947-----	1,486	-----	1,486	400	640	1,040	70	850	559	400	240	2,049	1,331	10	255	6,241	
1948-----	1,610	-----	1,610	630	623	1,253	65	930	705	525	340	2,500	1,528	10	350	7,316	
1949-----	1,411	-----	1,411	621	831	1,452	64	746	746	640	330	2,926	1,673	9	332	7,867	
1950-----	1,069	-----	1,069	670	990	1,660	65	1,200	805	870	430	3,305	2,090	10	460	8,659	
1951-----	1,420	50	1,470	790	1,150	1,940	70	1,160	625	930	505	3,220	1,830	10	589	9,129	
1952-----	1,620	65	1,685	770	1,055	1,825	70	1,080	620	1,025	470	3,195	1,741	-----	400	8,916	
1953-----	1,540	60	1,600	800	1,080	1,880	75	1,060	530	1,050	550	3,060	1,671	-----	390	8,676	
1954-----	1,450	-----	1,450	920	1,000	1,920	75	1,065	455	1,035	530	3,085	1,601	-----	390	8,521	
1955-----	1,351	158	1,509	757	1,319	2,076	171	28	199	1,227	631	1,558	1,338	-----	400	9,179	
1956-----	1,394	163	1,557	642	1,381	2,023	167	28	195	1,227	512	1,364	1,345	-----	400	10,024	
1957-----	1,562	138	1,745	674	1,364	2,038	172	26	198	1,430	556	2,223	1,707	-----	450	10,766	
1958-----	1,650	150	1,800	885	1,420	2,305	164	29	193	1,913	477	2,000	440	-----	465	11,774	
1959-----	1,579	192	1,771	1,000	1,500	2,500	184	25	212	1,873	356	2,167	402	-----	466	11,277	

¹ Fed as such or in mixed or formula feeds. Includes cottonseed meal, soybean meal, linseed meal, peanut meal, and copra or coconut meal.

² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.

³ Other livestock on farms and all livestock not on farms.

TABLE 34.—*Animal protein feeds*¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Poultry					Hogs	Other live- stock ²	All animal protein feeds fed
	Hens and pullets	Chickens raised	Broilers	Turkeys	All poultry			
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940-----	165	135	115	95	510	650	60	1,220
1941-----	140	100	110	85	435	692	60	1,187
1942-----	84	60	120	70	334	795	60	1,189
1943-----	85	60	120	85	350	917	70	1,337
1944-----	150	100	140	100	490	650	60	1,200
1945-----	70	40	110	95	315	738	50	1,103
1946-----	120	75	110	80	385	662	50	1,097
1947-----	140	90	130	75	435	711	45	1,191
1948-----	150	95	180	95	520	737	50	1,307
1949-----	130	70	200	100	500	792	59	1,351
1950-----	130	60	200	100	490	844	60	1,394
1951-----	100	80	200	100	480	1,014	65	1,559
1952-----	220	140	200	100	660	857	80	1,597
1953-----	280	160	280	100	820	1,046	100	1,960
1954-----	230	100	345	100	775	1,044	85	1,904
1955-----	456	249	121	218	1,044	1,080	65	2,189
1956-----	463	202	135	250	1,050	954	65	2,069
1957-----	510	220	142	240	1,112	783	65	1,960
1958-----	530	250	222	225	1,227	875	70	2,172
1959-----	512	205	147	264	1,128	1,061	76	2,265

¹ Includes tankage, meat scraps, fishmeal, and dried milk products.² Includes other livestock on farms and all livestock not on farms.

TABLE 35.—*Grain protein feeds¹ fed to different kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle		Beef cattle			Poultry					Sheep	Horses and mules	Hogs	Other live-stock ²	All grain protein feeds fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain-fattened cattle	Other beef cattle	All beef cattle	Hens and pullets	Chickens raised	Broilers	Turkeys	All poultry				
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940	1,835	10	1,845	30	10	40	70	45	15	10	135	10	10	30	1,000 tons
1941	1,870	180	1,329	30	10	40	65	45	15	10	135	14	14	30	1,020 tons
1942	1,103	170	1,275	30	10	40	100	75	20	10	205	18	18	40	1,548 tons
1943	1,110	175	1,285	30	10	40	100	70	15	15	200	10	10	40	1,575 tons
1944	1,344	173	1,519	40	10	50	65	45	20	20	150	10	10	40	1,769 tons
1945	1,070	150	1,220	30	10	40	65	35			100		10	25	1,895 tons
1946	1,312	185	1,497	40	15	55	100	60			160			25	1,737 tons
1947	1,039	150	1,189	25	10	35	130	60			190			20	1,434 tons
1948	1,011	155	1,166	35	12	47	140	60			200			20	1,433 tons
1949	1,116	144	1,260	35	15	50	100	40			140	22		29	1,501 tons
1950	1,469	160	1,629	40	20	60	140	70			210	20		30	1,949 tons
1951	1,003	125	1,128	30	15	45	165	95			260	15		25	1,473 tons
1952	930	115	1,045	30	15	45	150	90			240	10		25	1,365 tons
1953	1,033	115	1,148	30	15	45	150	90			240			40	1,473 tons
1954	1,048	150	1,198	30	15	45	140	90			280			50	1,523 tons
1955	600	104	704	57	57	114	37		114	100	251		500	35	1,804 tons
1956	619	107	726	30	30	60	38		127	115	280		435	35	1,536 tons
1957	694	120	814	30	20	50	35		142	109	286		350	35	1,535 tons
1958	640	150	790	30	20	50	35		222	125	382		355	42	1,619 tons
1959	758	160	918	33	22	55	31		145	129	305		421	41	1,740 tons

¹ Includes gluten feed and meal, brewers' dried grains, and distillers' dried grains.² Other livestock on farms and all livestock not on farms.

TABLE 36.—*High-protein feeds*¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle		Beef cattle		Poultry				Sheep ²			Hogs	Horses and mules	Other live- stock ³	All high- protein feeds fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fattened cattle	Other beef cattle	All beef cattle	Hens and pullets	Chick- ens raised	Broilers	Turkeys	All poultry	Stock sheep	Sheep on feed	All sheep	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940	2,015	125	2,140	330	545	875	720	590	305	245	1,860	1,000	105	1,000	1,000
1941	2,238	150	2,388	360	590	950	770	680	335	235	2,020	1,000	110	1,000	1,000
1942	2,404	170	2,574	430	445	875	984	865	385	240	2,474	1,000	110	1,000	1,000
1943	2,690	175	2,865	445	655	1,100	1,025	775	365	290	2,455	1,000	100	1,000	1,000
1944	3,016	175	3,191	480	540	1,020	965	845	475	370	2,685	1,000	90	1,000	1,000
1945	2,570	155	2,725	530	585	1,115	985	685	400	335	2,405	1,000	85	1,000	1,000
1946	2,822	185	2,707	544	520	1,064	980	700	440	310	2,430	1,000	75	1,000	1,000
1947	2,825	150	2,675	425	650	1,075	1,120	709	530	315	2,674	1,000	70	1,000	1,000
1948	2,821	155	2,776	665	635	1,300	1,220	860	705	435	3,220	1,000	65	1,000	1,000
1949	2,827	144	2,671	656	846	1,502	1,390	856	840	480	3,566	1,000	64	1,000	1,000
1950	2,538	160	2,698	710	1,010	1,720	1,470	935	1,070	530	4,005	1,000	65	1,000	1,000
1951	2,423	175	2,598	820	1,165	1,985	1,425	800	1,130	605	3,960	1,000	70	1,000	1,000
1952	2,550	180	2,730	800	1,070	1,870	1,450	850	1,225	570	4,095	1,000	70	1,000	1,000
1953	2,573	175	2,748	830	1,095	1,925	1,360	780	1,330	650	4,120	1,000	75	1,000	1,000
1954	2,498	150	2,648	950	1,015	1,965	1,435	645	1,380	630	4,090	1,000	75	1,000	1,000
1955	1,951	262	2,213	814	1,376	2,190	1,720	880	1,763	559	4,952	1,000	199	1,000	1,000
1956	2,013	270	2,283	672	1,411	2,083	2,051	714	2,073	796	5,634	1,000	28	1,000	1,000
1957	2,566	303	2,569	704	1,384	1,975	1,975	776	2,507	768	6,026	1,000	26	1,000	1,000
1948	2,290	300	2,590	915	1,440	2,355	2,478	727	2,444	790	6,439	1,000	29	1,000	1,000
1959	2,337	352	2,689	1,033	1,522	2,555	2,416	561	2,459	795	6,231	1,000	28	1,000	1,000

¹ Includes oilmeals, animal proteins, brewers' and distillers' grains, and gluten feed and meal.

² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.

³ Other livestock on farms and all livestock not on farms.

TABLE 37.—*High-protein feeds*¹ as a percentage of all concentrates² fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle		Beef cattle		Sheep ³	Poultry					Hogs	Horses and mules	All live-stock
	Milk cows	Other dairy cattle	Grain-fattened cattle	Other beef cattle		Hens and pullets	Chickens raised	Broilers	Turkeys	All poultry			
					Percent						Percent	Percent	Percent
1940.....	12.0	3.7	6.0	18.8	9.2	6.0	7.5	25.8	15.3	8.2	3.7	6.3	
1941.....	12.5	3.9	6.0	23.6	8.9	5.4	7.6	24.5	14.2	7.7	3.5	6.3	
1942.....	12.8	3.7	7.0	13.5	8.8	5.8	7.9	21.7	16.3	8.0	4.1	6.3	
1943.....	14.1	3.8	7.2	19.8	8.8	5.8	8.1	22.5	17.3	8.6	3.9	6.6	
1944.....	15.1	4.1	7.4	18.2	8.0	6.0	8.2	21.6	17.8	8.0	3.9	7.2	
1945.....	13.4	3.8	7.0	17.8	8.0	5.7	8.0	22.2	17.0	8.1	3.2	6.4	
1946.....	13.5	4.6	7.6	18.0	8.1	6.0	8.2	23.8	18.6	8.6	4.5	7.3	
1947.....	14.2	4.9	7.3	23.7	8.2	7.1	9.6	24.8	20.1	10.0	4.9	8.2	
1948.....	14.2	4.3	8.1	23.7	8.6	7.6	10.3	25.0	21.4	11.0	5.2	8.7	
1949.....	13.4	4.1	8.7	23.9	8.8	7.7	10.6	25.9	23.0	11.3	5.2	8.8	
1950.....	13.9	4.2	8.9	19.0	9.2	8.7	11.9	27.1	23.0	13.0	5.9	9.5	
1951.....	13.1	4.2	8.8	17.5	8.5	8.5	11.4	26.9	24.2	13.0	5.6	9.5	
1952.....	13.6	4.4	8.7	20.1	8.4	8.8	12.0	26.9	23.5	13.4	6.4	10.1	
1953.....	13.7	4.4	9.0	20.3	9.0	8.4	13.7	27.0	23.8	13.5	6.3	10.1	
1954.....	13.0	4.0	9.2	20.6	8.8	9.2	11.9	28.9	23.1	14.5	5.9	10.0	
1955.....	9.3	7.1	9.0	24.5	26.4	10.6	15.9	30.0	20.0	16.2	6.1	10.3	
1956.....	9.2	7.5	7.2	25.3	26.1	12.5	14.9	33.0	25.0	18.4	6.9	11.0	
1957.....	10.6	8.6	6.8	24.9	26.6	12.2	15.3	33.0	25.0	18.8	6.6	10.8	
1958.....	11.0	9.1	7.5	21.4	20.5	15.0	15.0	32.0	25.8	20.0	6.6	10.9	
1959.....	10.5	10.5	7.2	20.5	22.2	15.2	13.4	32.6	25.1	20.3	6.0	10.3	

¹ Oilmeals, animal proteins, brewers' and distillers' grains, and gluten feed and meal.² Includes seeds and skim milk.³ In estimates made prior to 1955, most of the high protein needs of sheep were considered as coming from millfeeds and would not be included in this table. Starting in 1955, these needs were allocated to high protein feeds.

TABLE 38.—*Cottonseed meal consumed, by kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle	Beef cattle	Sheep	Poultry	Hogs	Horses and mules	Other livestock ¹	All cotton- seed meal fed
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	692	685	105	80	200	30	70	1,862
1941.....	546	830	110	80	150	30	75	1,821
1942.....	863	675	110	100	200	30	100	2,078
1943.....	435	825	100	100	200	30	100	1,790
1944.....	732	730	90	100	175	30	125	1,982
1945.....	328	655	85	100	150	15	100	1,433
1946.....	430	564	75	100	150	15	100	1,434
1947.....	643	840	60	100	200	10	100	1,953
1948.....	803	953	55	100	200	10	150	2,271
1949.....	716	1,228	56	109	128	5	140	2,382
1950.....	470	935	40	100	195	10	103	1,853
1951.....	550	1,540	60	100	140	5	255	2,650
1952.....	729	1,465	50	100	142	-----	185	2,671
1953.....	901	1,520	55	100	150	-----	200	2,926
1954.....	780	1,170	55	100	150	-----	150	2,405
1955.....	757	1,190	46	98	310	-----	110	2,511
1956.....	552	963	25	100	470	-----	110	2,220
1957.....	470	937	25	250	305	-----	110	2,097
1958.....	550	990	38	300	200	-----	120	2,198
1959.....	600	990	47	400	177	-----	116	2,330

¹ Other livestock on farms and all livestock not on farms.TABLE 39.—*Soybean meal consumed, by kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle	Beef cattle	Sheep	Poultry	Hogs	Other livestock ¹	All soybean meal fed
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	213	60	-----	955	168	95	1,491
1941.....	263	30	-----	1,090	292	110	1,785
1942.....	206	70	-----	1,685	993	120	3,074
1943.....	775	125	-----	1,655	633	135	3,323
1944.....	740	180	-----	1,845	772	90	3,627
1945.....	977	340	-----	1,740	498	100	3,655
1946.....	610	375	-----	1,635	1,005	120	3,745
1947.....	573	100	10	1,799	746	155	3,383
1948.....	540	200	10	2,250	958	200	4,158
1949.....	361	130	6	2,663	1,167	190	4,517
1950.....	401	595	25	3,055	1,305	337	5,718
1951.....	530	335	10	2,970	1,475	320	5,640
1952.....	726	195	20	2,940	1,434	195	5,510
1953.....	434	240	20	2,810	1,291	170	4,965
1954.....	552	600	20	2,835	1,201	220	5,428
1955.....	568	710	153	3,396	925	290	6,042
1956.....	784	860	170	4,039	956	290	7,093
1957.....	1,025	841	173	4,363	1,220	340	7,962
1958.....	1,100	957	155	4,510	1,871	345	8,938
1959.....	972	1,346	158	4,384	1,242	348	8,450

¹Horses and mules, other livestock on farms, and all livestock not on farms.

TABLE 40.—Consumption of other oil meals,¹ by kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle	Beef cattle	Poultry	Hogs	Other livestock ²	All other oil meals fed
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	310	100	180	462	-----	1,052
1941.....	250	50	280	453	-----	1,033
1942.....	230	90	150	467	-----	937
1943.....	370	110	150	512	-----	1,142
1944.....	200	60	100	243	-----	603
1945.....	200	80	150	287	5	722
1946.....	170	70	150	268	-----	658
1947.....	270	100	150	385	-----	905
1948.....	267	100	150	370	-----	887
1949.....	334	94	154	378	8	968
1950.....	198	130	150	590	20	1,088
1951.....	390	65	150	215	19	839
1952.....	230	165	155	165	20	735
1953.....	265	120	150	230	20	785
1954.....	118	150	150	250	20	688
1955.....	184	176	163	103	-----	626
1956.....	221	200	165	125	-----	711
1957.....	250	260	15	182	-----	707
1958.....	150	358	20	110	-----	638
1959.....	199	164	14	111	9	497

¹ Includes linseed meal, peanut meal, and copra meal.² Horses and mules, sheep, other livestock on farms, and all livestock not on farms.

TABLE 41.—*Milfeeds¹ fed to different kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle			Beef cattle			Poultry				Sheep	Hogs	Horses and mules	Other live-stock ²	All mil-feeds fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain-fat-tened cattle	Other beef cattle	All beef cattle	Chick-ens raised	Broil-ers	Tur-keys	All poul-try					
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940.....	1,232	55	1,287	75	45	120	1,040	905	96	2,036	55	378	73	288	1,000 tons
1941.....	1,097	60	1,157	70	35	105	1,030	880	45	85	370	60	60	275	4,857
1942.....	1,015	50	1,065	60	40	100	1,700	975	55	80	449	50	50	305	4,657
1943.....	1,210	60	1,270	65	45	110	1,747	950	55	105	440	50	50	355	4,884
1944.....	1,388	60	1,448	80	45	125	1,550	1,150	90	150	400	400	50	355	5,102
1945.....	1,320	60	1,380	85	50	135	1,670	890	70	140	35	401	40	200	5,638
1946.....	1,580	70	1,650	104	55	159	2,085	1,110	90	140	35	635	51	200	5,051
1947.....	1,288	75	1,363	70	35	105	2,060	1,000	105	150	30	481	35	300	5,294
1948.....	1,086	70	1,156	85	45	130	1,920	855	170	3,070	28	385	28	300	5,157
1949.....	1,022	69	1,091	80	50	130	1,757	827	145	2,884	24	367	150	322	5,107
1950.....	1,025	80	1,105	80	50	130	1,715	830	180	2,905	25	370	150	320	4,968
1951.....	1,000	112	1,112	70	50	120	1,800	850	180	3,010	25	370	140	340	5,005
1952.....	1,030	100	1,130	80	50	130	1,658	800	180	2,818	25	340	120	400	5,217
1953.....	1,025	80	1,105	75	50	125	1,677	800	180	2,837	25	350	100	400	4,983
1954.....	1,060	80	1,140	75	50	125	1,700	750	170	2,790	25	350	90	350	4,942
1955.....	1,363	68	1,431	103	449	552	1,829	173	-----	2,002	-----	500	70	170	4,870
1956.....	1,417	67	1,484	107	441	548	1,950	150	-----	-----	-----	517	64	172	4,795
1957.....	1,350	65	1,415	110	450	560	2,050	150	-----	2,000	-----	522	60	200	4,885
1958.....	1,198	65	1,263	115	450	565	2,075	130	-----	2,205	-----	651	50	200	4,957
1959.....	1,361	70	1,431	107	448	555	2,060	153	-----	2,213	-----	633	60	208	5,100

¹ Wheat and rice milfeeds fed as such or in mixed or formula feeds.² Other livestock on farms and all livestock not on farms.

TABLE 42.—Other byproduct feeds ¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Poultry				Hogs	Horses and mules	Other live-stock	All other by-product feeds fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain-fat-tened cattle	Other beef cattle	All beef cattle	Hens pullets	Chick-ens raised	Broil-ers	Tur-keys	All poultry			
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	1,449	66	1,515	210	77	287	315	210	44	22	591	111	150	83
1941-----	1,478	75	1,553	215	60	275	355	230	50	25	660	131	135	90
1942-----	1,230	65	1,295	180	70	250	340	225	60	20	645	139	100	110
1943-----	1,160	65	1,225	180	70	250	360	200	55	25	640	133	100	110
1944-----	1,354	60	1,414	210	70	280	320	220	90	40	670	93	100	110
1945-----	1,290	70	1,360	320	130	450	490	270	85	45	890	120	120	140
1946-----	1,415	80	1,495	340	130	470	490	290	90	45	915	120	145	150
1947-----	1,325	80	1,385	310	120	430	590	290	100	40	980	121	200	140
1948-----	1,352	55	1,637	385	150	555	590	330	145	55	1,080	142	165	160
1949-----	1,757	57	1,814	406	192	598	581	306	144	54	1,085	163	107	194
1950-----	1,771	95	1,866	390	240	630	515	295	175	70	1,055	165	110	200
1951-----	1,900	110	2,010	434	300	734	525	270	150	80	1,025	185	100	220
1952-----	1,910	120	2,030	483	420	1,103	520	280	140	80	1,020	175	100	300
1953-----	1,900	130	2,030	917	700	1,617	500	270	140	90	1,000	200	100	300
1954-----	2,025	150	2,175	988	700	1,688	600	287	202	90	1,179	203	100	310
1955-----	1,500	166	1,666	834	701	1,555	700	108	405	100	1,313	601	85	154
1956-----	1,402	163	1,565	862	689	1,551	680	90	473	95	1,338	358	78	172
1957-----	1,500	125	1,625	866	739	1,605	700	95	597	110	1,502	752	72	254
1958-----	1,539	121	1,660	1,062	800	1,862	722	87	608	117	1,554	533	60	247
1959-----	1,515	141	1,656	1,066	839	1,905	692	75	536	120	1,473	944	72	272

¹ Includes dried and molasses beet pulp and citrus pulp and citrus pulp, alfalfa meal, molasses, hominy, oat millfeed, screenings, and added fats fed as such or in mixed or formula feeds.

TABLE 43.—Byproduct feeds¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep ²			Poultry				Hogs	Horses and mules	Other live- stock ³	All- by- product feeds fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fattened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep	Hens and pullets	Chick- ens raised	Broilers	Tur- keys	All poultry			
1940.....	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1941.....	4,696	246	4,942	615	667	1,282	204	2,675	2,705	2,675	1,705	394	363	5,137	1,979	253	1,000
1942.....	4,813	285	5,098	645	685	1,330	200	2,755	1,790	3,084	2,065	430	345	5,320	2,102	225	1,000
1943.....	4,649	283	4,934	670	555	1,225	190	3,084	2,065	3,084	2,065	500	340	5,389	3,061	180	1,000
1944.....	5,060	300	5,360	690	770	1,460	170	3,132	1,925	3,165	2,215	475	420	5,952	2,345	180	1,000
1945.....	5,758	295	6,053	770	655	1,425	160	3,165	2,215	3,165	2,215	655	560	6,395	2,345	180	1,000
1946.....	5,180	285	5,465	935	765	1,700	150	3,145	1,845	3,145	1,845	555	520	6,065	2,304	180	1,000
1947.....	5,467	335	5,802	988	705	1,693	140	3,555	2,100	3,555	2,100	520	495	6,770	2,804	210	1,000
1948.....	5,138	285	5,423	805	805	1,610	140	3,720	1,999	3,720	1,999	735	585	7,613	2,613	215	1,000
1949.....	5,289	280	5,569	1,135	830	1,965	128	3,570	2,145	3,570	2,145	995	600	7,877	2,802	203	1,000
1950.....	5,306	270	5,576	1,142	1,088	2,230	123	3,728	1,989	3,728	1,989	1,124	694	7,535	2,995	288	1,000
1951.....	5,334	335	5,669	1,180	1,300	2,480	125	3,700	2,060	3,700	2,060	1,425	780	7,965	3,469	290	1,000
1952.....	5,423	307	5,730	1,324	1,515	2,839	145	3,750	1,990	3,750	1,990	1,461	865	7,995	3,399	265	1,000
1953.....	5,510	400	5,910	1,863	1,545	3,408	145	3,628	1,930	3,628	1,930	1,545	830	7,933	3,113	230	1,000
1954.....	5,498	385	5,883	1,822	1,845	3,667	160	3,527	1,850	3,527	1,850	1,550	920	7,957	3,267	200	1,000
1955.....	5,583	380	5,963	2,013	1,765	3,778	170	3,735	1,682	3,735	1,682	1,752	890	8,050	3,199	190	1,000
1956.....	4,814	406	5,220	1,751	2,596	4,277	171	4,249	1,161	4,249	1,161	2,198	659	8,267	4,019	155	824
1957.....	4,832	500	5,332	1,641	2,541	4,182	167	4,681	954	4,681	954	2,546	891	9,072	3,809	142	844
1958.....	5,097	468	5,565	1,680	2,573	4,253	172	4,725	1,021	4,725	1,021	3,104	878	9,728	4,114	132	1,004
1959.....	5,513	486	5,999	2,092	2,690	4,782	164	5,275	944	5,275	944	3,052	907	10,178	4,595	110	1,024
1960.....	5,213	563	5,776	2,206	2,809	5,015	184	5,168	789	5,168	789	3,045	915	9,917	4,589	132	1,063
1961.....	5,213	563	5,776	2,206	2,809	5,015	184	5,168	789	5,168	789	3,045	915	9,917	4,589	132	1,063

¹ See table 1 for feeds included.

² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.

³ Other livestock on farms and all livestock not on farms.

TABLE 44.—All concentrates¹ fed to different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Poultry			Sheep ²			Hogs	Horses and mules	Other live- stock ³	Un- allo- cated ⁴	All con- cen- trates fed
	Milk cows	Other dairy cattle	all dairy cattle	Grain- fattened cattle	Other beef cattle	All beef cattle	Hens and pullers	Chick- ens raised	Broilers	Tur- keys	All poul- try	Stock sheep	Sheep on feed	All sheep			
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940	16,755	3,340	20,095	5,500	2,905	8,405	12,040	7,875	1,180	1,605	22,700	1,000	1,140	40,724	10,885	2,730	106,679
1941	17,865	3,837	21,702	5,950	2,505	8,455	14,140	9,006	1,370	1,651	26,167	1,230	1,230	45,745	10,545	3,050	116,894
1942	18,715	4,600	23,315	6,140	3,300	9,440	16,880	10,890	1,775	1,470	31,015	1,355	1,255	61,042	10,875	3,890	140,832
1943	19,026	4,595	23,621	6,180	3,305	9,485	17,615	9,615	1,620	1,675	30,525	1,135	1,135	58,674	10,400	4,020	137,800
1944	19,921	4,265	24,186	6,460	2,975	9,435	16,710	10,300	2,200	2,075	31,285	1,120	1,120	47,388	9,540	3,740	126,694
1945	19,135	4,045	23,180	7,600	3,290	10,890	17,368	8,585	1,800	1,970	29,723	1,060	1,060	52,752	8,950	3,600	130,155
1946	18,768	3,995	22,763	7,200	2,890	10,090	16,196	8,565	1,850	1,670	28,281	925	925	45,842	7,940	3,490	119,331
1947	17,723	3,330	21,053	5,800	2,176	7,976	15,745	7,375	2,140	1,570	26,530	850	850	41,553	6,900	2,300	117,722
1948	18,408	3,636	22,044	8,200	2,677	10,877	15,970	8,320	2,820	2,030	29,140	760	760	43,889	5,870	3,300	115,880
1949	18,889	3,549	22,438	7,563	3,536	11,099	18,129	8,051	3,242	2,088	31,510	724	724	47,308	5,349	4,045	122,475
1950	18,310	3,840	22,150	8,000	5,302	13,302	16,910	7,830	3,950	2,300	30,990	710	710	49,971	4,700	4,250	126,073
1951	18,150	4,145	22,295	9,300	6,650	15,950	16,760	7,030	4,200	2,300	30,490	820	820	50,521	4,095	4,490	128,610
1952	18,770	4,095	22,865	9,200	5,329	14,529	16,560	7,080	4,560	2,430	30,620	830	830	40,305	3,630	4,750	117,619
1953	18,780	4,010	22,790	9,200	5,389	14,589	16,235	6,695	4,925	2,730	30,605	830	830	42,045	3,125	5,000	119,884
1954	19,280	3,720	23,000	10,300	4,920	15,220	15,955	5,400	4,777	2,510	28,282	850	850	44,736	2,700	5,010	119,798
1955	21,062	3,692	24,744	9,071	5,623	14,694	16,189	5,529	5,978	2,704	30,490	492	262	47,670	2,222	4,996	125,570
1956	21,898	3,623	25,521	9,366	5,580	14,946	16,418	4,785	7,252	2,181	30,670	483	285	42,405	2,035	5,040	123,562
1957	21,377	3,618	24,995	10,351	5,565	15,916	16,251	3,852	7,252	3,072	30,682	494	250	44,228	1,891	7,399	132,055
1958	20,894	3,288	24,182	12,212	6,719	18,931	16,572	4,860	7,697	3,057	32,115	665	277	51,529	1,763	6,103	143,100
1959	22,274	3,358	25,632	14,337	7,438	21,775	15,844	4,172	7,542	3,172	30,730	688	266	50,601	1,695	6,231	148,423

¹ See table 1 for feeds included.² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.³ Other livestock on farms and all livestock not on farms.⁴ Probably includes some waste and other losses.

TABLE 45.—*Hay consumed by different kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep ¹			Horses and mules	Other livestock ²	Hay fed to all livestock
	Milk cows	Other dairy cattle	All dairy cattle	Grain-fattened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep			
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940-----	40,114	10,300	50,414	3,213	9,200	12,413	-----	-----	5,500	23,165	1,815	93,307
1941-----	44,683	9,350	54,033	3,530	8,050	11,580	-----	-----	6,270	23,850	1,130	96,863
1942-----	48,550	9,750	58,300	4,150	12,600	16,750	-----	-----	6,250	22,662	1,200	105,162
1943-----	49,864	10,300	60,164	3,750	14,300	18,050	-----	-----	5,600	20,650	1,050	105,514
1944-----	49,550	9,842	59,392	4,150	13,100	17,250	-----	-----	4,890	18,300	970	100,802
1945-----	48,533	10,135	58,668	4,400	17,250	21,650	-----	-----	4,600	17,075	960	102,953
1946-----	50,720	11,000	61,720	4,900	17,910	22,810	-----	-----	4,180	14,480	932	104,122
1947-----	50,260	11,330	61,590	4,550	18,070	22,620	-----	-----	3,770	12,677	980	101,637
1948-----	47,860	11,180	59,040	5,370	17,600	22,970	-----	-----	3,150	10,290	860	96,310
1949-----	50,396	11,369	61,765	5,288	17,794	23,082	-----	-----	2,993	8,209	944	96,993
1950-----	49,446	12,800	62,446	5,470	23,181	28,651	-----	-----	3,360	7,730	1,000	103,187
1951-----	50,636	13,700	64,136	6,200	27,462	33,662	-----	-----	3,500	7,300	1,000	109,598
1952-----	49,281	13,300	62,581	6,500	26,668	33,168	-----	-----	3,800	5,960	1,000	106,509
1953-----	50,083	13,200	63,258	6,800	27,619	34,419	-----	-----	3,150	5,240	1,000	107,617
1954-----	49,335	12,800	62,135	7,800	28,720	36,520	-----	-----	3,800	4,730	1,000	108,185
1955-----	52,698	12,600	65,298	7,800	31,760	39,560	1,210	268	1,478	4,225	1,000	111,561
1956-----	49,115	12,600	61,615	8,000	30,656	38,656	1,190	271	1,461	4,225	1,000	106,957
1957-----	50,398	13,500	63,898	7,700	33,904	41,604	1,225	255	1,480	3,420	1,000	111,402
1958-----	46,304	16,800	63,104	8,650	42,900	51,550	1,265	303	1,568	3,535	1,000	120,757
1959-----	48,817	18,174	66,991	9,700	36,794	46,494	1,442	300	1,742	3,200	991	119,418

¹ Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.² Includes other livestock on farms and all livestock not on farms.TABLE 46.—*Silage ¹ consumed by different kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep ²			Silage fed to all livestock	Corn in silage ³
	Milk cows	Other dairy cattle	All dairy cattle	Grain-fattened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep		
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940-----	29,307	5,400	34,707	3,100	3,300	6,400	-----	-----	1,350	42,457	4,494
1941-----	29,732	5,480	35,212	3,220	3,407	6,627	-----	-----	1,364	43,203	4,281
1942-----	28,367	5,200	33,597	3,050	3,230	6,280	-----	-----	1,288	41,165	4,458
1943-----	26,810	5,386	32,196	2,680	3,330	6,010	-----	-----	1,054	39,260	4,413
1944-----	29,069	5,386	34,455	2,700	3,400	6,100	-----	-----	900	41,455	4,836
1945-----	28,057	5,300	33,357	2,800	3,319	6,119	-----	-----	850	40,326	4,788
1946-----	29,044	5,500	34,544	3,040	3,400	6,440	-----	-----	880	41,864	5,166
1947-----	28,426	5,486	33,912	2,800	3,400	6,200	-----	-----	850	40,962	4,592
1948-----	31,715	5,900	37,615	3,600	3,800	7,400	-----	-----	880	45,895	5,476
1949-----	34,613	4,550	39,163	3,312	5,050	8,362	-----	-----	590	48,115	5,748
1950-----	36,512	5,090	41,602	4,400	6,053	10,453	-----	-----	600	52,655	5,842
1951-----	39,871	4,700	44,571	4,600	5,211	9,811	-----	-----	600	54,982	5,614
1952-----	39,300	5,800	44,600	5,400	7,027	12,427	-----	-----	600	57,027	6,666
1953-----	45,500	5,750	51,250	5,600	7,425	13,025	-----	-----	600	64,875	7,817
1954-----	48,913	6,422	55,335	6,500	8,654	15,154	-----	-----	600	71,089	7,909
1955-----	49,942	6,650	56,592	7,070	8,958	16,028	300	400	700	73,320	7,560
1956-----	51,243	6,900	58,143	6,831	9,143	15,974	300	226	526	74,643	8,175
1957-----	57,112	6,762	63,874	7,273	9,318	17,191	295	310	605	81,670	8,103
1958-----	54,337	7,976	62,313	8,072	8,644	16,716	300	310	610	79,639	8,556
1959-----	52,722	6,395	59,117	8,758	13,811	22,569	300	310	610	82,296	8,927

¹ Including wet beef pulp fed to livestock.² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.³ Included in total silage.

TABLE 47.—*Other harvested roughage¹ consumed by different kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep ²			Horses and mules	Total other har- vested rough- age
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fat- tened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep		
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	10,800	2,150	12,950	310	13,870	14,180	-----	-----	2,280	6,500	35,910
1941.....	11,500	3,640	15,140	330	16,889	17,219	-----	-----	2,400	5,410	40,169
1942.....	9,840	4,290	14,130	300	15,330	15,630	-----	-----	2,200	5,680	37,640
1943.....	10,670	4,100	14,770	250	16,660	16,910	-----	-----	1,810	6,292	39,782
1944.....	11,100	4,070	15,170	240	18,200	18,440	-----	-----	2,260	7,282	43,152
1945.....	8,360	2,560	10,920	200	13,153	13,353	-----	-----	1,470	6,900	32,643
1946.....	6,900	1,500	8,400	190	10,601	10,791	-----	-----	1,390	7,200	27,781
1947.....	4,600	900	5,500	130	9,586	9,716	-----	-----	950	7,450	23,616
1948.....	4,580	870	5,450	160	9,500	9,660	-----	-----	1,240	8,059	24,409
1949.....	4,043	1,090	5,133	120	9,800	9,920	-----	-----	1,500	8,549	25,102
1950.....	3,260	850	4,110	120	9,957	10,077	-----	-----	1,340	7,570	23,097
1951.....	3,200	435	3,635	110	10,617	10,727	-----	-----	1,100	5,410	29,872
1952.....	4,520	950	5,470	90	17,289	17,379	-----	-----	1,380	6,190	30,419
1953.....	4,500	850	5,350	105	16,690	16,795	-----	-----	1,600	4,940	28,685
1954.....	4,250	600	4,850	100	15,912	16,012	-----	-----	1,340	4,570	26,772
1955.....	3,000	540	3,540	130	17,455	17,585	960	-----	960	3,740	25,825
1956.....	3,240	450	3,690	100	16,917	17,017	670	400	1,070	2,480	24,257
1957.....	3,725	761	4,486	137	14,943	15,080	918	600	1,518	3,195	24,279
1958.....	3,557	630	4,187	150	10,837	11,047	920	450	1,370	2,555	19,159
1959.....	1,953	750	2,703	175	11,595	11,770	1,000	672	1,672	2,940	19,085

¹ Corn stover, sorghum forage, and straw.

² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.

TABLE 48.—All dairy cattle: Number and feeds¹ fed, 1940-59

Year beginning Oct. 1	Num- ber on farms Jan. 1 of feed year ²	Feed grains					Byproduct feeds ³				Seeds ⁴	All con- cen- trates	Harvested roughage				
		Corn exclud- ing corn in silage	Oats	Barley	Sor- ghum and rye	Wheat and rye	All feed grains	Oilseed meals	Grain proteins	Mill- feeds			Other	Hay	Silage and wet beet pulp ⁵	Corn stover and sor- ghum forage	Straw
1940	38,555	5,145	1,695	215	130	13,733	1,215	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
1941	40,014	4,740	1,865	390	405	15,327	1,059	1,287	1,287	1,515	840	580	20,095	50,414	1,000	1,000	
1942	41,452	5,486	1,810	270	925	16,891	1,299	1,329	1,329	1,553	710	567	21,702	54,053	1,000	1,000	
1943	42,518	4,371	1,440	1,680	250	16,751	1,580	1,275	1,065	1,205	940	550	23,315	58,300	1,000	1,000	
1944	42,134	9,813	4,944	1,150	335	16,872	1,672	1,519	1,448	1,414	771	490	24,621	60,164	1,000	1,000	
1945	39,712	8,809	6,190	955	220	16,639	1,505	1,220	1,380	1,360	621	455	23,180	58,668	5,820	5,100	
1946	38,903	8,756	5,990	820	220	16,071	1,210	1,497	1,600	1,495	440	450	22,763	61,720	5,500	2,900	
1947	37,293	7,748	5,660	890	190	14,795	1,486	1,189	1,363	1,385	432	400	21,063	61,590	3,900	1,600	
1948	36,278	8,642	5,690	1,030	220	15,782	1,610	1,166	1,156	1,637	293	400	22,044	60,940	37,615	2,000	
1949	36,425	9,390	5,222	886	189	15,923	1,411	1,260	1,091	1,814	395	544	22,438	61,765	33,163	2,040	
1950	36,344	8,486	5,625	880	430	15,631	1,069	1,629	1,105	1,866	310	540	22,150	62,446	3,220	890	
1951	36,166	8,620	5,630	790	350	15,580	1,470	1,128	1,212	2,010	375	530	22,205	64,136	41,571	800	
1952	36,889	9,555	5,270	700	235	16,190	1,685	1,045	1,150	2,030	240	525	22,865	62,831	44,690	3,020	
1953	37,087	9,777	5,280	840	235	16,247	1,600	1,148	1,105	2,030	140	520	22,700	63,258	51,250	2,790	
1954	36,316	8,731	6,040	1,100	371	16,337	1,450	1,198	1,140	2,175	180	520	23,000	62,133	55,335	2,180	
1955	35,045	10,107	6,697	1,162	694	18,721	1,509	704	1,431	1,666	193	520	24,744	65,298	56,592	2,240	
1956	34,107	11,612	5,856	1,190	711	19,444	1,557	726	1,484	1,565	265	480	25,521	61,615	58,143	2,350	
1957	32,720	11,144	5,453	1,075	990	18,722	1,745	814	1,415	1,625	114	480	24,895	63,898	63,874	2,650	
1957	31,423	10,698	5,297	1,050	961	18,064	1,890	790	1,263	1,660	100	445	24,122	63,101	62,313	2,580	
1959	30,600	11,744	5,415	975	991	19,341	1,771	918	1,431	1,656	100	415	25,632	66,991	59,117	1,578	

¹ Includes grains and other concentrates fed as such or in mixed or formula feeds to² See table 21 for seeds included.³ Dry equivalent of milk fed to calves.⁴ Corn, sorghum, and grass silage, and wet beet and citrus pulp.⁵ Number on farms Jan. 1, following Oct. 1.⁶ See table 1 for feeds included.

TABLE 49.—*Milk cows: Number, and milk production per head, and feeds fed, 1940-59*

Year beginning Oct. 1	Number on farms Jan. 1 of feed year ¹	Milk produced per head	Concentrates ²				Harvested roughage			Feed fed per head on farms Jan. 1		
			Grain excluding corn in silage	Byprod-uct feeds	Seeds	All con-centrates	Hay	Slage and wet beet pulp	Stover and straw	Concen-trates	Hay	Slage
		<i>Pounds</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>	<i>Tons</i>	<i>Tons</i>
1940.....	25,453	4,474	11,479	4,696	580	16,755	40,114	29,807	10,800	1,317	1.58	1.15
1941.....	26,313	4,505	12,562	4,813	490	17,865	44,683	29,732	11,500	1,358	1.70	1.13
1942.....	27,138	4,339	13,416	4,649	650	18,715	48,550	28,897	9,840	1,379	1.79	1.05
1943.....	27,704	4,196	13,276	5,060	690	19,026	49,864	26,810	10,670	1,374	1.80	.97
1944.....	27,770	4,326	13,632	5,758	531	19,921	49,550	29,069	11,100	1,435	1.78	1.05
1945.....	26,521	4,437	13,524	5,180	431	19,135	48,533	28,057	8,360	1,443	1.83	1.06
1946.....	25,842	4,538	12,991	5,467	310	18,768	50,720	29,044	6,900	1,453	1.96	1.12
1947.....	24,615	4,574	12,283	5,138	302	17,723	50,260	28,426	4,600	1,440	2.04	1.15
1948.....	23,862	4,820	12,926	5,289	193	18,408	47,860	31,715	4,580	1,543	2.01	1.33
1949.....	23,853	4,892	13,314	5,306	269	18,889	50,396	34,613	4,043	1,584	2.11	1.45
1950.....	23,568	4,900	12,766	5,334	210	18,310	49,646	36,512	3,260	1,554	2.11	1.55
1951.....	23,060	4,922	12,477	5,423	250	18,150	50,436	39,871	3,200	1,574	2.19	1.73
1952.....	23,549	5,053	13,090	5,510	170	18,770	49,281	39,800	4,520	1,594	2.09	1.67
1953.....	23,896	5,106	13,182	5,498	100	18,780	50,558	45,500	4,500	1,572	2.09	1.90
1954.....	23,462	5,209	13,567	5,583	130	19,280	49,335	48,913	4,250	1,614	2.10	2.08
1955.....	22,912	5,430	16,093	4,814	145	21,052	52,098	49,942	3,000	1,838	2.30	2.18
1956.....	22,325	5,584	16,881	4,882	185	21,898	49,115	51,243	3,240	1,962	2.20	2.30
1957.....	21,265	5,778	16,191	5,106	80	21,377	50,398	57,112	3,725	2,011	2.37	2.69
1958.....	20,132	6,069	15,727	5,027	30	20,834	46,304	54,337	3,557	2,070	2.30	2.70
1959.....	19,527	6,269	16,981	5,213	80	22,274	48,817	52,722	1,953	2,281	2.50	2.70

¹ Number 2 years old and over, on farms Jan. 1 following Oct. 1. This number is larger than average number milked during year because it includes heifers 2 years old that have not yet freshened. The feed for these heifers is also included.

² Includes grains and other concentrates fed as such or in mixed or formula feeds. See tables 1, 2, and 21 for kinds of feeds included.

TABLE 50.—Other dairy cattle: Number and feeds fed, 1940–59

Year beginning Oct. 1	Number on farms Jan. 1 of feed year ¹	Concentrates ²					Harvested roughage			Feeds fed per head on farms Jan. 1		
		Grain excluding corn in silage	Byprod-uct feeds	Seeds	Milk ³	All con-centrates	Hay	Silage and wet beet pulp	Stover and straw	Concen-trates	Hay	Silage
		1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Pounds	Tons	Tons
1940	13,102	2,254	246	260	580	3,340	10,300	5,400	2,150	510	0.79	0.41
1941	13,701	2,765	285	220	567	3,857	9,350	5,480	3,640	560	.68	.40
1942	14,314	3,475	285	290	550	4,000	9,750	5,200	4,290	643	.68	.36
1943	14,814	3,475	300	300	520	4,595	10,300	5,386	4,100	620	.70	.36
1944	14,364	3,240	295	240	490	4,265	9,842	5,386	4,070	594	.69	.37
1945	13,191	3,115	285	190	455	4,045	10,135	5,300	2,560	613	.77	.40
1946	12,961	3,080	335	130	450	3,995	11,000	5,900	1,500	616	.85	.42
1947	12,618	2,515	285	130	400	3,330	11,330	5,485	900	528	.90	.43
1948	12,416	2,856	280	100	400	3,686	11,180	5,900	870	586	.90	.43
1949	12,572	2,609	270	126	544	3,549	11,369	4,550	1,090	565	.90	.36
1950	12,776	2,865	335	100	540	3,840	12,800	5,090	850	601	1.00	.40
1951	13,106	3,103	397	125	520	4,145	13,700	4,700	435	653	1.05	.36
1952	13,331	3,100	397	70	525	4,095	13,300	5,900	950	614	1.00	.40
1953	13,919	3,165	393	40	520	4,010	13,200	5,730	850	608	1.00	.44
1954	12,754	2,770	380	50	520	3,720	12,800	6,422	600	583	1.00	.50
1955	12,133	2,628	406	48	520	3,692	12,600	6,650	540	609	1.04	.55
1956	11,782	2,563	500	80	480	3,632	12,500	6,960	430	615	1.06	.59
1957	11,455	2,531	493	34	460	3,518	13,500	7,762	761	584	1.18	.59
1958	11,291	2,337	486	20	445	3,288	16,200	7,976	680	582	1.43	.71
1959	11,073	2,360	563	20	415	3,358	15,174	6,395	730	607	1.64	.58

¹ Number on farms Jan. 1 following Oct. 1.² Includes grains and other concentrates fed as such or in mixed or formula feeds.Other dairy cattle includes heifers 1-2 years old, heifer calves, and dairy bulls.
See tables 1, 2, and 20 for kinds of feed included.³ Includes milk fed to veal calves.

TABLE 51.—All beef cattle: Number and feeds fed, 1940-59

Year beginning Oct. 1	Num- ber of farms fed corn 1 year 1	Feed grains 2					Byproduct feeds 3				Harvested roughage					
		Corn culling cows in stage	Oats	Barley	Sorgh- um and grain	Wheat and rye	All feed grains	High protein feeds	Mill- feeds	Other 4	All concen- trates	Hay	Silage and wet beet pulp 5	Corn stover and sorghum forage	Straw	All rough- aged beef cattle 6
		1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	33,200	5,468	690	255	290	40	6,743	875	120	667	8,405	12,413	6,400	10,180	4,000	32,993
1941-----	36,011	5,485	645	290	65	6,805	950	105	595	8,455	9,440	16,750	6,027	10,330	5,300	35,426
1942-----	39,752	6,115	800	465	310	95	7,785	875	100	680	9,450	16,750	6,280	10,330	5,300	38,660
1943-----	42,816	6,155	700	300	110	7,565	1,100	110	710	10,050	17,050	18,050	6,010	8,910	8,000	40,970
1944-----	43,439	6,260	700	295	335	70	7,660	1,020	125	630	9,435	17,250	6,100	8,640	9,800	41,790
1945-----	42,523	7,400	980	265	190	65	8,900	1,115	135	740	10,890	21,650	6,119	7,353	6,000	41,122
1946-----	41,751	7,082	810	185	80	30	8,187	1,064	159	680	10,090	22,810	6,440	6,791	4,000	40,041
1947-----	38,938	5,335	530	205	70	50	6,190	1,075	105	606	7,976	22,620	6,200	4,516	5,200	38,536
1948-----	40,552	7,570	840	235	80	30	8,754	1,300	130	692	10,877	22,970	7,400	5,660	4,000	40,030
1949-----	41,538	7,485	786	203	70	30	8,574	1,502	130	893	11,099	23,062	8,362	4,420	5,500	41,364
1950-----	45,739	9,365	850	200	175	30	10,620	1,720	130	832	13,302	28,651	10,453	4,897	5,180	49,181
1951-----	51,906	11,551	920	220	190	30	12,861	1,955	120	984	15,950	33,662	9,811	4,707	6,020	54,200
1952-----	57,361	10,097	840	195	95	30	11,257	1,870	130	1,272	14,529	33,168	12,427	3,889	13,490	62,974
1953-----	58,592	9,618	850	240	105	30	11,925	1,925	125	1,706	14,539	34,419	13,025	4,335	12,460	64,239
1954-----	60,376	9,702	1,070	370	150	30	11,322	1,965	125	1,808	15,220	36,520	15,154	3,862	12,150	67,686
1955-----	60,855	7,407	951	926	803	100	10,287	2,190	552	1,664	14,694	39,560	16,028	6,625	10,900	73,173
1956-----	58,753	7,689	1,033	875	875	30	10,579	2,083	548	1,736	14,946	38,656	15,974	4,667	12,350	71,647
1957-----	58,456	8,075	1,123	1,400	1,400	30	11,563	2,088	560	1,705	15,916	41,604	17,191	5,430	9,650	73,875
1958-----	61,899	9,992	1,079	1,562	1,562	39	13,979	2,555	565	2,082	18,931	51,550	16,716	3,377	7,670	79,313
1959-----	65,636	11,257	1,270	2,645	2,645	33	16,385	2,555	555	2,080	21,775	46,494	22,569	3,120	8,650	80,833

¹ Number on farms Jan. 1 following Oct. 1.

² Includes grains fed as such or in mixed or formula feeds.

³ See table 20 for feeds included.

⁴ Includes seeds fed to beef cattle.

⁵ Corn, sorghum, and grass silage, and wet beet pulp and citrus pulp.

⁶ Actual tons—not feed units. Excludes pasture.

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TABLE 52.—Beef cattle, grain-fattened: Number and feeds fed, 1940-59

Year beginning Oct. 1	Num-ber of feed fed Jan. 1 of year	Num-ber of feed fed in year	Concentrates ¹						Harvested roughage				On feed Jan. 1 ²		Put on feed during year ³			
			Corn ⁴	Sor-gum grains	Barley	Other feed grains ⁵	By-prod-uct feeds	All con-cent-rates	Hay	Silage and wet and beet pulp	Stover and straw	Con-cent-rates	Hay	Silage and wet and beet pulp	Con-cent-rates	Hay	Silage and wet and beet pulp	Straw and stover
			1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Pounds	Tons	Tons	Pounds	Tons	Tons	Ton
1940	4,065	5,691	4,450	150	150	135	615	5,506	3,213	3,100	310	2,706	0.79	0.76	1,933	0.56	0.54	0.05
1941	4,185	5,859	4,820	170	165	150	645	5,950	3,530	3,220	330	2,843	.84	.77	2,031	.60	.55	.06
1942	4,445	5,778	4,820	160	330	160	670	6,140	4,150	3,050	300	2,763	.93	.69	2,125	.72	.53	.05
1943	4,015	5,220	4,990	155	185	160	690	6,180	3,750	2,680	250	3,078	.93	.67	2,368	.72	.51	.05
1944	4,411	5,734	5,175	175	210	130	770	6,460	4,150	2,700	240	2,929	.94	.61	2,253	.72	.47	.04
1945	4,211	5,895	6,220	100	190	155	935	7,600	4,400	2,800	200	3,610	1.04	.66	2,578	.75	.47	.03
1946	4,322	6,051	5,922	45	130	115	988	7,200	4,900	3,040	190	3,332	1.13	.70	2,380	.81	.50	.03
1947	3,821	5,732	4,695	40	145	115	805	5,800	4,550	2,800	130	3,036	1.19	.73	2,024	.79	.49	.02
1948	4,540	6,356	6,735	45	165	120	1,135	8,200	5,370	3,600	160	3,612	1.18	.79	2,580	.84	.57	.03
1949	4,390	6,585	6,118	40	143	120	1,142	7,563	5,288	3,312	120	3,446	1.20	.75	2,297	.80	.50	.02
1950	4,534	6,801	6,450	100	140	130	1,180	8,000	5,470	4,400	120	3,529	1.21	.87	2,353	.80	.65	.02
1951	4,961	7,938	7,606	80	150	140	1,324	9,300	6,200	4,600	110	3,749	1.25	.93	2,343	.78	.58	.01
1952	5,762	8,067	7,322	55	130	130	1,563	9,200	5,500	5,400	90	3,193	1.13	.94	2,281	.81	.67	.01
1953	5,658	7,043	7,043	55	160	120	1,822	9,200	6,800	5,600	105	3,426	1.27	1.04	2,142	.79	.65	.01
1954	5,795	9,852	7,802	85	260	140	2,013	10,300	7,800	6,600	100	3,555	1.35	1.12	2,091	.79	.66	.01
1955	5,929	10,079	5,695	691	747	187	1,751	9,071	7,800	7,070	130	3,060	1.32	1.19	1,800	.77	.70	.01
1956	6,122	10,407	5,957	775	873	120	1,641	9,366	8,000	6,831	100	3,060	1.31	1.12	1,800	.77	.66	.01
1957	5,898	10,016	6,823	1,250	973	125	1,680	10,351	7,700	7,273	137	3,510	1.31	1.23	1,950	.73	.69	.01
1958	6,601	12,212	7,403	1,395	1,140	182	2,092	12,212	8,650	8,072	150	3,700	1.31	1.22	2,000	.71	.66	.01
1959	7,535	13,940	8,668	2,048	1,257	158	2,206	14,337	9,700	8,758	175	3,805	1.29	1.16	2,057	.70	.63	.01

¹ Includes grains and other concentrates fed as such or in mixed or formula feeds.

See tables 1, 2, and 20 for kinds of feeds included.

² Feed fed during the year to all grain-fattened cattle divided by the number on feed January 1.³ Feed fed during the year to all grain-fattened cattle divided by the number put on feed during the year.⁴ Excluding corn in silage.⁵ Oats, wheat, and rye.

TABLE 53.—*Beef cattle, other than grain-fattened: Number and feeds fed, 1940-59*

Year beginning Oct. 1	Number on farms Jan. 1 of feed year ¹	Concentrates ²				Harvested roughage			Feed fed per head on farms Jan. 1			
		Grain excluding corn in silage	By-product feeds	Seeds	All concentrates	Hay	Silage and wet beet pulp	Stover and straw	Concentrates	Hay	Silage and wet beet pulp	Stover and straw
	<i>1,000 head</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>	<i>Ton</i>	<i>Ton</i>	<i>Ton</i>
1940.....	29,135	1,853	667	50	2,905	9,200	3,300	13,870	199	0.32	0.11	0.48
1941.....	31,826	1,500	685	320	2,505	8,050	3,407	16,889	157	.25	.11	.53
1942.....	35,307	2,315	555	430	3,300	12,600	3,230	15,330	187	.36	.09	.43
1943.....	38,801	2,075	770	460	3,305	14,300	3,330	16,060	170	.37	.09	.43
1944.....	39,028	1,970	655	350	2,975	13,100	3,400	18,200	152	.34	.09	.47
1945.....	38,312	2,235	765	290	3,290	17,250	3,319	13,153	172	.45	.09	.34
1946.....	37,429	1,975	705	210	2,890	17,910	3,400	10,601	154	.48	.09	.28
1947.....	36,117	1,195	805	176	2,176	18,070	3,400	9,586	120	.50	.09	.27
1948.....	36,012	1,690	830	157	2,677	17,600	3,800	9,500	149	.49	.11	.26
1949.....	37,148	2,153	1,088	295	3,536	17,094	5,050	9,800	190	.48	.14	.26
1950.....	41,205	3,800	1,300	202	5,302	23,181	6,053	9,957	257	.56	.15	.24
1951.....	46,945	4,885	1,515	250	6,650	27,462	5,211	10,617	283	.58	.11	.23
1952.....	51,599	3,620	1,540	169	5,329	26,668	7,027	17,289	207	.52	.14	.34
1953.....	53,222	3,455	1,845	89	5,389	27,619	7,425	16,690	203	.52	.14	.31
1954.....	54,581	3,035	1,765	120	4,920	28,720	8,654	15,912	180	.53	.16	.29
1955.....	54,926	2,967	2,526	130	5,623	31,760	8,958	17,455	205	.58	.16	.32
1956.....	52,631	2,854	2,541	185	5,580	30,656	9,143	16,917	212	.58	.17	.32
1957.....	52,558	2,892	2,573	100	5,565	33,904	9,918	14,943	212	.64	.19	.28
1958.....	55,298	3,859	2,690	170	6,719	42,900	8,644	10,897	243	.78	.16	.20
1959.....	58,101	4,454	2,809	175	7,438	36,794	13,811	11,595	256	.63	.24	.20

¹ All cattle on farms Jan. 1 following Oct. 1 minus milk cows, other dairy cattle, and cattle on feed.² Includes grains and other concentrates fed as such or in mixed or formula feeds. See tables 1, 2, and 20 or kinds of feeds included.

TABLE 54.—*Sheep and lambs: Number and feeds¹ fed, 1940-59*

Year beginning Oct. 1	Feed grains					Byproduct feeds				Harvested roughage					Feed fed per head on farms Jan. 1				
	Corn	Oats	Barley	Sor- ghum grains	All feed grains	Oil- seed meals	Mil- feeds	Other	All con- centrates ²	Hay	Silage and wet beet pulp ³	Corn stover and sor- ghum forage	Straw	All har- vested rough- age	Con- cen- trates	Hay	Silage and wet beet pulp	Stover and straw	
1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Pounds 42	Ton 0.11	Ton 0.02	Ton 0.04	
1940-----	53,920	601	135	165	35	936	105	55	44	1,140	5,500	1,350	2,280	-----	9,130	42	0.10	0.02	0.04
1941-----	56,213	675	125	185	45	1,030	110	50	40	1,230	6,270	1,364	2,400	-----	10,034	44	.11	.02	.04
1942-----	55,150	760	110	185	10	1,065	110	45	35	1,255	6,250	1,288	2,200	-----	9,738	45	.11	.02	.04
1943-----	50,782	695	100	160	10	965	100	40	30	1,135	5,600	1,064	1,810	-----	8,464	45	.11	.02	.04
1944-----	46,520	740	90	120	10	960	90	40	30	1,120	4,890	900	1,760	500	8,050	48	.11	.02	.05
1945-----	42,362	665	130	110	5	910	85	35	30	1,060	4,600	850	1,470	-----	6,920	50	.11	.02	.03
1946-----	37,498	595	105	80	5	785	75	35	30	925	4,180	880	1,390	-----	6,450	49	.11	.02	.04
1947-----	34,337	525	95	85	5	710	70	30	40	850	3,770	850	950	-----	5,570	50	.11	.02	.03
1948-----	30,943	417	110	100	5	632	65	28	35	760	3,150	880	1,040	200	5,270	49	.10	.03	.04
1949-----	29,826	413	100	86	2	601	64	24	35	724	2,983	590	800	700	5,083	49	.10	.02	.05
1950-----	30,633	395	100	85	5	585	65	25	35	710	3,360	600	840	500	5,300	46	.11	.02	.04
1951-----	31,982	490	100	85	-----	675	70	25	50	820	3,500	600	780	320	5,200	51	.11	.02	.03
1952-----	31,900	520	90	75	-----	685	70	25	50	830	3,800	600	640	740	5,780	52	.12	.02	.04
1953-----	31,356	480	100	90	-----	670	75	25	60	830	3,700	600	750	850	5,900	53	.12	.02	.05
1954-----	31,582	450	110	120	-----	680	75	25	70	850	3,800	600	700	640	5,740	54	.12	.02	.04
1955-----	31,157	151	215	108	81	555	199	-----	-----	754	1,478	700	610	350	3,138	48	.05	.02	.03
1956-----	30,654	145	221	112	75	553	195	-----	-----	748	1,461	526	670	400	3,057	49	.05	.02	.03
1957-----	31,217	147	215	100	84	546	198	-----	-----	744	1,480	603	918	600	3,603	48	.05	.02	.05
1958-----	32,606	313	242	95	99	749	193	-----	-----	942	1,508	610	920	450	3,548	58	.05	.02	.04
1959-----	33,170	427	118	100	97	742	212	-----	-----	954	1,742	610	1,000	672	4,024	58	.05	.02	.05

¹ See tables 1, 2, and 20 for feeds included.² Includes grains and other concentrates fed as such or in mixed or formula feeds.³ Corn, sorghum, and grass silage, and wet beet and citrus pulp.

TABLE 55.—*Horses and mules:*¹ *Feeds fed, 1940-59*

Year beginning Oct. 1	Feed grains					Byproduct feeds ²			Harvested roughages					
	Corn	Oats	Barley	Sorghum grains	Wheat and rye	All feed grains	High protein feeds	Mill-feeds	Other	All concentrates ³	Hay	Corn stover and sorghum forage	Straw	All rough-ages
							1,000 tons	1,000 tons	1,000 tons					
1940.....	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1941.....	6,212	3,965	215	200	40	10,632	30	73	150	10,885	23,165	5,100	1,400	29,665
1942.....	6,425	3,260	225	330	80	10,320	30	60	135	10,545	23,850	5,010	400	29,280
1943.....	6,630	3,450	205	340	70	10,695	30	50	100	10,875	22,662	4,580	1,100	28,342
1944.....	6,555	3,170	190	225	80	10,220	30	50	100	10,400	20,650	3,692	2,600	26,942
1945.....	6,020	2,970	165	155	50	9,360	30	50	100	9,540	18,300	3,582	3,700	25,582
1946.....	4,870	3,600	160	100	40	8,770	20	40	120	8,950	17,075	3,000	3,900	23,975
1947.....	5,270	2,350	40	70	---	7,730	15	50	145	7,940	14,480	2,600	4,600	21,680
1948.....	4,425	1,810	40	40	---	6,315	10	35	200	6,560	12,677	1,750	5,700	20,127
1949.....	3,977	1,600	45	45	---	5,667	10	28	165	5,870	10,290	1,959	7,000	18,349
1950.....	3,661	1,329	38	33	---	5,061	31	150	107	5,349	8,209	1,549	7,000	16,758
1951.....	2,890	1,430	30	60	---	4,410	30	150	110	4,700	7,730	1,410	6,160	15,300
1952.....	2,460	1,250	20	20	---	3,770	25	140	100	4,035	7,300	1,350	4,060	12,710
1953.....	2,330	1,030	15	25	---	3,400	10	120	100	3,630	5,960	1,040	5,150	12,150
1954.....	1,885	1,000	15	25	---	2,925	---	100	100	3,125	5,240	940	4,000	10,180
1955.....	1,525	950	10	25	---	2,510	---	90	100	2,700	4,730	840	3,730	9,300
1956.....	1,204	797	33	33	---	2,067	---	70	85	2,222	4,225	690	3,050	7,965
1957.....	1,103	730	30	30	---	1,893	---	64	78	2,035	4,225	580	1,900	6,705
1958.....	1,044	650	25	40	---	1,759	---	50	62	1,891	3,420	795	2,400	6,615
1959.....	981	611	24	37	---	1,653	---	60	70	1,763	3,420	755	1,800	6,090
1960.....	908	610	25	20	---	1,563	---	60	72	1,695	3,200	740	2,200	6,140

¹ Includes colts.² See table 20 for feeds included.³ Includes grains and other concentrates fed as such or in mixed or formula feeds.

TABLE 56.—*Horses and mules: Number and feeds fed, 1940-59*

Year beginning Oct. 1	Horses and mules—2 years old and over						Under 2 years old							
	Number on farms Jan. 1 of feed year	All concen- trates ¹	Hay	Stover and straw	Feed fed per head			Number on farms Jan. 1 of feed year	All concen- trates ¹	Hay	Stover and straw	Feed fed per head		
					Concen- trates	Hay	Stover and straw					Concen- trates	Hay	Stover and straw
	<i>1,000 head</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>	<i>Tons</i>	<i>Tons</i>	<i>1,000 head</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>	<i>Tons</i>	<i>Tons</i>
1940.....	12,651	10,515	21,665	6,000	1,662	1.71	6.47	1,453	370	1,500	500	309	1.03	0.34
1941.....	12,346	10,280	22,250	4,910	1,665	1.80	.40	1,309	265	1,600	500	405	1.22	.38
1942.....	12,117	10,669	21,262	5,280	1,761	1.75	.44	1,114	206	1,400	500	370	1.26	.36
1943.....	11,668	10,255	19,450	6,022	1,758	1.67	.52	945	145	1,200	270	307	1.27	.29
1944.....	11,116	9,440	17,300	7,032	1,698	1.56	.63	834	100	1,000	250	240	1.20	.30
1945.....	10,434	8,870	16,275	6,700	1,700	1.56	.64	674	80	800	200	237	1.19	.30
1946.....	9,578	7,865	13,780	7,060	1,642	1.44	.74	551	75	700	140	272	1.27	.25
1947.....	8,800	6,500	12,077	7,350	1,477	1.37	.84	479	60	600	100	251	1.25	.21
1948.....	8,074	5,820	9,890	7,959	1,442	1.22	.99	424	50	400	100	236	.94	.24
1949.....	7,415	5,309	7,839	8,479	1,432	1.06	1.14	366	40	370	70	219	1.01	.19
1950.....	6,732	4,660	7,400	7,510	1,384	1.10	1.12	304	40	330	60	263	1.09	.20
1951.....	5,887	4,000	7,000	5,360	1,359	1.19	.91	263	35	300	50	266	1.14	.19
1952.....	5,166	3,600	5,700	6,150	1,394	1.10	1.19	237	30	260	40	253	1.10	.17
1953.....	4,572	3,100	5,000	4,900	1,356	1.09	1.07	219	25	240	40	228	1.10	.18
1954.....	4,101	2,675	4,500	4,530	1,305	1.10	1.10	208	25	230	40	240	1.11	.19
1955.....	3,757	2,207	4,000	3,700	1,175	1.06	.98	201	15	225	40	149	1.12	.20
1956.....	3,436	2,020	4,000	2,450	1,176	1.16	.73	196	15	225	30	153	1.15	.15
1957.....	3,220	1,876	3,220	3,154	1,165	1.00	.68	193	15	200	41	154	1.03	.21
1958.....	2,988	1,748	3,350	2,525	1,170	1.12	.84	201	15	185	30	149	.92	.15
1959.....	2,883	1,680	3,000	2,900	1,165	1.04	1.01	206	15	200	40	146	.97	.19

¹ Includes grains and other concentrates fed as such or in mixed or formula feeds.

TABLE 57.—*Poultry: Concentrates*¹ fed, 1940-59

Year beginning Oct. 1	Feed grains						Byproduct feeds ²					All concentrates fed
	Corn	Oats	Barley	Sorghum grains	Wheat and rye	All feed grains	Oil-seed meals	Animal proteins	Grain proteins	Mill-feeds	Other	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	10,713	2,855	720	960	1,960	17,208	1,215	510	135	2,686	946	22,700
1941-----	11,520	3,350	730	1,180	3,730	20,510	1,450	435	135	2,640	997	26,167
1942-----	13,096	3,390	945	1,320	5,950	24,701	1,935	334	205	2,870	970	31,015
1943-----	13,283	3,510	995	1,270	5,205	24,263	1,905	350	200	2,857	950	30,525
1944-----	13,570	3,720	890	1,770	4,450	24,400	2,045	490	150	3,240	960	31,285
1945-----	12,697	4,200	790	1,190	4,511	23,388	1,990	315	100	2,770	1,160	29,723
1946-----	12,581	3,730	645	1,145	3,140	21,241	1,885	385	160	3,425	1,185	28,281
1947-----	9,260	3,786	765	1,160	4,630	19,601	2,049	435	190	3,335	1,220	26,830
1948-----	12,786	4,220	1,000	1,207	2,307	21,520	2,500	520	200	3,070	1,330	29,140
1949-----	15,397	3,922	863	1,064	2,640	23,886	2,926	500	140	2,884	1,174	31,510
1950-----	12,545	4,230	850	2,730	2,580	22,935	3,305	490	210	2,905	1,145	30,990
1951-----	12,511	4,180	850	2,190	2,674	22,405	3,220	480	260	3,010	1,115	30,490
1952-----	13,825	3,800	750	1,472	2,750	22,597	3,195	660	240	2,818	1,110	30,620
1953-----	14,439	3,800	900	1,515	1,914	22,568	3,060	820	240	2,837	1,080	30,605
1954-----	11,125	4,100	1,030	2,434	1,454	20,143	3,085	775	230	2,790	1,259	28,282
1955-----	13,563	3,846	976	2,323	1,435	22,143	3,657	1,044	251	2,002	1,393	30,490
1956-----	13,061	3,770	944	2,612	1,131	21,518	4,304	1,050	280	2,100	1,418	30,670
1957-----	12,793	3,681	875	3,703	1,122	22,174	4,628	1,112	286	2,200	1,582	31,982
1958-----	12,823	3,655	876	3,379	1,129	21,862	4,830	1,227	382	2,205	1,609	32,115
1959-----	11,772	3,351	784	3,742	1,089	20,738	4,798	1,128	305	2,213	1,548	30,730

¹ Includes feed for hens and pullets, chickens raised, broilers, and turkeys. Includes grains and other concentrates fed as such or in mixed or formula feeds.

² See tables 1 and 20 for feeds included.

TABLE 58.—*Hens and pullets: Number and concentrates fed*,¹ 1940-59

Year beginning Oct. 1	Number on farms Jan. 1 of feed year	Average number during feed year	All feed grains fed	By-product feeds	Milk	All concentrates	Concentrates fed		
							Per head		Per 100 eggs produced
							On farms Jan. 1	Average during year	
	Million head	Million head	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Pounds	Pounds	Pounds
1940-----	381	294	9,145	2,675	220	12,040	63	82	59
1941-----	428	330	11,180	2,755	205	14,140	66	86	60
1942-----	489	375	13,596	3,084	200	16,880	69	90	63
1943-----	524	397	14,293	3,132	190	17,615	67	89	61
1944-----	474	373	13,365	3,165	180	16,710	70	90	59
1945-----	473	363	14,058	3,145	165	17,368	73	96	63
1946-----	431	346	12,476	3,555	165	16,196	75	94	59
1947-----	418	335	11,880	3,720	145	15,745	75	94	58
1948-----	399	327	12,250	3,570	150	15,970	80	98	58
1949-----	424	342	14,340	3,728	61	18,129	86	106	62
1950-----	399	329	13,150	3,700	60	16,910	85	103	59
1951-----	397	324	12,950	3,750	60	16,760	84	103	58
1952-----	373	313	12,872	3,628	60	16,560	89	106	58
1953-----	371	313	12,663	3,537	55	16,255	88	104	56
1954-----	369	312	11,805	3,735	55	15,595	85	100	52
1955-----	361	310	11,885	4,249	55	16,189	90	104	54
1956-----	370	310	11,682	4,681	55	16,418	89	106	53
1957-----	356	304	11,451	4,725	55	16,231	91	107	53
1958-----	367	307	11,247	5,275	50	16,572	90	108	52
1959-----	352	298	10,626	5,168	50	15,844	90	106	51

¹ Includes grains and other concentrates fed as such, or in mixed or formula feeds. See tables 1 and 20 for feeds included. In the early years a considerable part of the feed for laying flocks was salvaged from otherwise waste feed. Feed salvaged has been of much less importance in recent years.

TABLE 59.—*Chickens raised: Number and concentrates¹ fed, 1940-59*

Year beginning Oct. 1	Number raised ²	Feed grains	Byproduct feeds	Milk	All concentrates	Concentrates fed	
						Per head	Per 100 lbs. live weight ³
	<i>Million head</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>	<i>Pounds</i>
1940.....	745	6,065	1,705	105	7,875	21	516
1941.....	844	7,110	1,790	106	9,006	21	508
1942.....	1,001	8,725	2,065	100	10,890	22	518
1943.....	832	7,595	1,925	95	9,615	23	537
1944.....	890	7,995	2,215	90	10,300	23	538
1945.....	738	6,655	1,845	85	8,585	23	529
1946.....	719	6,380	2,100	85	8,565	24	541
1947.....	615	5,301	1,999	75	7,375	24	533
1948.....	705	6,095	2,145	80	8,320	24	536
1949.....	620	6,034	1,989	28	8,051	26	577
1950.....	623	5,740	2,060	30	7,830	25	559
1951.....	561	5,080	1,920	30	7,030	25	557
1952.....	548	5,120	1,930	30	7,080	26	550
1953.....	540	4,820	1,850	25	6,695	25	551
1954.....	459	3,693	1,682	25	5,400	24	504
1955.....	471	4,343	1,161	25	5,529	23	516
1956.....	394	3,806	954	25	4,785	24	510
1957.....	421	4,036	1,021	25	5,082	24	514
1958.....	386	3,881	944	25	4,850	25	538
1959.....	332	3,358	789	25	4,172	25	527

¹ Includes grains and other concentrates fed as such or in mixed or formula feeds. See tables 1 and 20 for feeds included. In the early years a considerable part of the feed for chickens was salvaged from otherwise waste feed. Feed salvaged has been of much less importance in recent years.

² Number produced in the calendar year following Oct. 1. These chickens are primarily for replacement in laying flocks.

³ See table 26 for live weight production used for this calculation.

TABLE 60.—*Broilers and turkeys: Number and concentrates¹ fed, 1940-59*

Year beginning Oct. 1	Broilers					Turkeys							
	Number pro- duced ²	Feed grains	Byprod- uct feeds	All con- centrates	Concentrates fed		Number pro- duced ²	Feed grains	Byprod- uct feeds	Milk	All con- centrates	Concentrates fed	
					Per head	Per 100 lbs. live weight ³						Per head	Per 100 lbs. live weight ³
	Million head	1,000 tons	1,000 tons	1,000 tons	Pounds	Pounds	Million head	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Pounds	Pounds
1940	192	786	394	1,180	12.3	422	33	1,212	363	30	1,605	97	627
1941	228	940	430	1,370	12.3	407	33	1,280	345	26	1,651	100	633
1942	285	1,275	500	1,775	12.5	426	32	1,105	340	25	1,470	92	578
1943	274	1,145	475	1,620	11.8	396	33	1,230	420	25	1,675	96	574
1944	366	1,545	655	2,200	12.0	397	43	1,495	560	20	2,075	97	561
1945	293	1,245	555	1,800	12.3	407	40	1,430	520	20	1,970	98	552
1946	310	1,230	620	1,850	12.0	395	34	1,155	495	20	1,670	98	547
1947	371	1,405	732	2,140	11.5	380	32	1,015	535	20	1,570	98	547
1948	513	1,825	995	2,820	11.0	359	41	1,350	600	20	2,030	99	528
1949	631	2,118	1,124	3,242	10.3	333	44	1,394	694	---	2,088	95	511
1950	789	2,525	1,425	3,950	10.0	327	53	1,520	780	---	2,300	87	484
1951	861	2,740	1,460	4,200	9.8	320	62	1,635	865	---	2,500	81	477
1952	947	3,005	1,545	4,550	9.6	313	60	1,600	830	---	2,430	81	482
1953	1,048	3,275	1,650	4,925	9.4	304	68	1,810	920	---	2,730	80	470
1954	1,092	3,025	1,752	4,777	8.7	285	66	1,620	890	---	2,510	76	460
1955	1,344	3,750	2,198	5,978	8.9	280	77	2,135	659	---	2,794	73	439
1956	1,448	3,736	2,546	6,282	8.7	268	81	2,294	891	---	3,185	79	470
1957	1,600	4,163	3,104	7,597	9.2	280	80	2,194	878	---	3,072	77	453
1958	1,737	4,584	3,052	7,636	8.8	265	84	2,150	907	---	3,057	73	427
1959	1,795	4,497	3,045	7,542	8.4	251	85	2,257	915	---	3,172	75	425

¹Includes grains and other concentrates fed as such or in mixed or formula feed.²Number produced in the calendar year following Oct. 1.³See table 26 for live weight production used for this calculation.

TABLE 61.—Hogs: Number raised and concentrates¹ fed, 1940-59

Year beginning Oct. 1	Number raised in year	Feed grains					Byproduct feeds ²					Seeds ³	Milk ⁴	All concen- trates	Concentrates fed		
		Corn	Oats	Barley	Sor- ghum grains	Wheat and rye	All feed grains	Oil- seed meals	Animal pro- teins	Grain pro- teins	Mill- feeds				Other	Per head	Per 100 pounds live weight ⁵
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>	<i>Pounds</i>	
	1940.....	79,785	28,856	4,959	578	299	36,997	830	650	10	378	111	783	985	40,724	482	
	1941.....	90,503	32,770	4,312	769	1,387	42,054	895	692	14	370	131	688	921	45,745	472	
	1942.....	111,012	40,595	6,024	3,313	660	56,208	1,660	795	18	449	139	898	875	61,042	507	
	1943.....	112,926	38,413	4,866	2,640	591	7,602	54,112	1,345	917	10	440	133	922	75,074	497	
	1944.....	85,107	33,461	4,083	1,691	927	43,579	1,190	650	10	400	93	696	775	47,388	504	
	1945.....	86,816	36,742	7,919	1,692	590	49,258	935	738	10	401	120	540	750	52,752	558	
	1946.....	82,718	34,082	5,815	1,113	540	41,882	1,423	662	10	635	120	390	730	45,842	501	
	1947.....	82,453	30,697	5,145	1,130	316	408	37,756	1,531	711	-----	480	121	419	41,553	452	
	1948.....	97,037	31,426	6,799	1,148	469	210	40,052	1,528	737	-----	395	142	335	700	43,889	472
	1949.....	93,746	35,674	6,041	1,006	384	254	43,359	1,673	792	-----	367	163	262	692	47,308	478
	1950.....	99,011	36,985	6,584	1,309	460	288	45,626	2,090	844	-----	370	165	231	645	49,971	474
	1951.....	97,494	37,039	7,031	1,505	413	270	46,258	1,830	1,014	-----	370	185	274	590	50,521	490
	1952.....	84,170	28,348	6,374	1,236	275	236	36,469	1,741	857	-----	340	175	228	585	40,395	434
	1953.....	81,175	30,573	6,202	1,262	265	210	38,852	1,671	1,046	-----	350	200	236	590	42,945	494
	1954.....	89,941	31,463	7,013	1,854	415	100	40,845	1,601	1,044	-----	350	203	198	495	44,736	459
	1955.....	93,069	34,310	6,750	1,330	407	239	43,036	1,338	1,080	500	500	601	170	445	47,670	484
	1956.....	88,122	31,755	4,508	1,200	327	205	37,995	1,545	954	435	517	858	226	375	42,405	456
	1957.....	87,304	32,267	4,432	1,141	518	202	38,560	1,707	783	350	522	752	231	323	43,228	460
	1958.....	96,991	37,526	5,998	1,216	965	790	46,495	2,181	875	355	651	533	166	273	51,329	495
	1959.....	93,339	40,753	2,322	1,588	1,498	418	45,579	1,530	1,061	421	633	944	186	247	50,901	501

¹ Includes grains and other concentrates fed as such, in mixed or formula feeds.² Dry equivalent of whole milk, skim milk, buttermilk, and whey fed as liquids.³ See table 21 for seeds included.⁴ See table 26 for feeds included.⁵ See table 26 for live weight production used for this calculation.

TABLE 62.—“Other” livestock on farms and all livestock not on farms: Feeds fed, 1940-59

Year beginning Oct. 1	Feed grains						Byproduct feeds				All concentrates	Hay
	Corn	Oats	Barley	Sorghum grains	Wheat and rye	All feed grains	Oilseed meals	Animal proteins	Grain proteins	Mill-feeds	Other ¹	
1940	1,000 tons 1,514	1,000 tons 350	1,000 tons 125	1,000 tons 50	1,000 tons 75	1,000 tons 2,114	1,000 tons 165	1,000 tons 60	1,000 tons 20	1,000 tons 288	1,000 tons 83	1,000 tons 2,730
1941	1,615	330	145	65	255	2,410	185	60	30	275	90	3,050
1942	2,185	450	200	70	250	3,155	220	60	40	305	110	3,890
1943	2,295	410	175	65	285	3,230	235	70	40	335	110	4,020
1944	2,175	410	130	90	175	2,980	215	60	40	335	110	3,740
1945	1,995	570	120	60	150	2,895	200	50	25	290	140	3,600
1946	2,000	470	90	50	75	2,685	220	50	25	360	150	3,490
1947	1,505	370	95	50	110	2,130	255	45	20	310	140	2,900
1948	1,710	490	110	55	55	2,420	350	50	20	300	160	3,300
1949	2,437	457	96	45	74	3,109	332	59	29	322	194	4,045
1950	2,430	490	100	100	60	3,180	460	60	30	320	200	4,250
1951	2,520	500	100	100	60	3,260	589	65	25	340	220	4,499
1952	2,770	560	110	55	50	3,545	400	80	25	340	300	4,750
1953	2,970	560	130	55	55	3,770	390	100	40	400	300	5,000
1954	2,925	600	170	85	45	3,825	390	85	50	350	310	5,010
1955	2,682	651	652	120	67	4,172	400	65	35	170	154	4,996
1956	2,698	655	657	122	64	4,196	400	65	35	172	172	5,040
1957	3,236	750	725	210	75	4,996	450	65	35	200	254	6,000
1958	3,290	762	737	214	76	5,079	465	70	42	200	247	6,063
1959	3,555	609	725	203	76	5,168	466	76	41	208	272	6,531

¹ See table 20 for miscellaneous feeds included.

TABLE 63.—*Feed fed per 100 pounds produced, cattle, sheep and milk, 1940-59*

Year beginning Oct. 1	Cattle and calves ¹				Sheep and lambs ²				Milk			
	Con- cen- trates	Hay	Silage	Stover and straw	Con- cen- trates	Hay	Silage	Stover and straw	Con- cen- trates	Hay	Silage	Stover and straw
	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>
1940-----	141	272	141	196	103	497	122	206	29	70	51	19
1941-----	135	230	133	229	107	546	119	209	30	75	50	19
1942-----	148	279	121	210	116	579	119	204	32	82	48	17
1943-----	144	290	116	215	115	566	106	183	33	86	46	18
1944-----	140	277	117	230	117	510	94	236	33	82	48	18
1945-----	156	332	119	166	118	511	94	163	33	82	48	14
1946-----	148	354	125	129	114	517	109	172	32	86	49	12
1947-----	122	365	126	114	119	528	119	133	31	89	50	8
1948-----	152	358	140	111	117	483	135	190	32	83	55	8
1949-----	141	333	125	106	110	453	89	227	32	86	59	7
1950-----	152	368	138	97	104	493	88	197	32	86	63	6
1951-----	164	387	119	91	113	484	83	152	32	89	70	6
1952-----	139	347	132	137	109	500	79	181	32	83	66	8
1953-----	135	346	136	128	104	465	75	201	31	82	75	7
1954-----	135	353	154	119	105	471	74	166	32	81	80	7
1955-----	133	377	164	131	95	187	89	121	34	85	80	5
1956-----	139	382	171	130	97	189	68	139	35	79	82	5
1957-----	146	413	179	119	92	182	74	187	35	82	93	6
1958-----	159	490	177	84	111	185	72	161	34	76	89	6
1959-----	176	452	202	88	114	209	73	200	36	80	86	3

¹ Feed for all cattle except milk cows divided by the live-weight production of cattle and calves.² Includes feed for production of wool.

TABLE 64.—*Feed, expressed in feed units,¹ consumed by all livestock, 1940-59*

Year beginning Oct. 1	Concentrates										Roughage						
	Feed grains						Seeds	Milk	High protein feeds	Other by-product feeds	All concentrates	Hay	Stover and straw	Silage and beet pulp	Pasture	All roughage and pasture	All feed
	Corn	Oats	Barley	Sorghum grains	Wheat and rye	All feed grains											
							1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940.....	58,852	16,329	5,030	2,198	2,714	86,123	2,504	3,800	11,783	6,785	110,995	37,899	10,052	6,879	105,833	160,663	271,558
1941.....	60,417	15,123	5,744	2,930	6,159	96,373	2,122	3,650	12,673	6,659	121,477	39,347	11,174	7,000	117,503	175,024	296,501
1942.....	77,867	17,717	6,489	2,814	13,379	118,266	2,834	3,500	13,446	6,619	146,665	42,764	10,511	6,668	115,370	175,313	321,978
1943.....	76,767	15,524	5,569	2,752	14,811	113,423	2,964	3,250	16,003	6,755	144,395	42,917	11,281	6,359	117,206	177,763	322,158
1944.....	72,039	13,275	4,019	3,414	9,124	103,871	2,272	3,100	15,622	7,410	132,275	40,998	12,313	6,716	123,649	183,676	315,951
1945.....	73,178	21,299	3,696	2,221	7,847	108,241	1,814	2,950	14,308	7,229	134,542	41,915	9,450	6,534	113,703	171,602	306,144
1946.....	70,366	17,400	2,687	1,989	4,034	96,476	1,300	2,900	14,948	8,541	124,165	42,405	8,132	6,782	111,164	168,483	292,648
1947.....	59,495	15,687	2,895	1,735	5,820	85,632	1,284	2,750	15,271	7,951	112,888	41,396	7,206	6,637	103,106	158,345	271,233
1948.....	66,528	17,832	3,296	1,965	2,926	92,647	1,981	2,700	17,471	7,804	121,503	39,243	7,427	7,436	102,817	156,923	278,426
1949.....	74,457	16,125	2,855	1,989	3,378	98,504	1,191	2,650	18,526	7,857	128,728	39,528	7,688	7,795	102,642	157,653	286,381
1950.....	73,096	17,437	3,103	3,762	3,308	100,706	928	2,550	20,634	7,944	132,762	42,101	7,163	8,531	107,306	165,101	297,863
1951.....	75,191	17,714	3,051	3,368	3,368	102,523	1,122	2,400	21,222	8,349	135,616	44,753	6,437	8,906	107,394	167,490	303,106
1952.....	67,745	16,228	2,758	2,049	3,343	92,123	796	2,400	20,705	8,511	124,535	43,509	9,522	9,336	108,163	170,530	295,065
1953.....	69,742	16,073	3,419	2,080	4,249	93,743	581	2,380	21,329	8,910	126,943	43,971	8,885	10,510	107,566	170,832	297,875
1954.....	65,921	17,973	4,182	3,306	1,801	93,183	622	2,190	21,103	9,321	126,419	44,228	8,328	11,516	111,617	175,689	302,108
1955.....	69,424	18,075	4,622	4,241	1,984	98,346	615	2,090	22,697	8,959	132,707	45,651	8,313	11,877	105,793	171,564	304,271
1956.....	69,882	15,173	4,780	4,584	1,684	96,003	844	1,870	23,542	8,990	131,249	43,707	7,726	12,092	117,985	181,510	312,759
1957.....	73,518	15,757	4,986	7,143	1,696	103,100	556	1,726	24,448	9,801	139,631	45,542	7,529	13,280	121,660	187,951	327,592
1958.....	80,503	17,466	5,156	7,135	2,377	112,636	545	1,586	27,023	9,814	151,604	49,432	5,815	12,902	116,008	184,157	335,761
1959.....	88,096	13,291	4,730	9,779	2,153	118,049	576	1,474	26,524	10,274	156,897	48,844	5,979	13,332	121,921	190,076	346,973

¹ A feed unit is the equivalent of a pound (or ton) of corn in feeding value. Includes all feed fed as such or in mixed or formula feeds. See tables 1, 2, and 20 for feeds included.

TABLE 65.—All feed including pasture, expressed in feed units, consumed by different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Poultry				
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fat- tened cattle	Other beef cattle	All beef cattle	Hens and pullets	Chick- ens raised	Broilers	Tur- keys	All poultry
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	59,620	21,312	80,932	8,959	50,745	59,704	12,573	8,570	1,370	1,852	24,365
1941-----	66,394	24,057	90,451	9,653	55,281	64,934	14,726	9,810	1,571	1,887	27,994
1942-----	67,488	24,644	92,132	10,153	58,939	69,092	17,579	11,838	2,008	1,696	33,121
1943-----	68,188	24,789	92,977	9,883	64,682	74,565	18,482	10,402	1,846	1,948	32,678
1944-----	72,098	25,417	97,515	10,547	67,445	77,992	17,361	11,137	2,480	2,405	33,583
1945-----	67,152	22,728	89,880	11,747	63,896	75,643	17,912	9,229	2,028	2,263	31,432
1946-----	67,226	22,867	90,093	11,666	62,657	74,323	16,713	9,203	2,096	1,925	29,937
1947-----	63,848	21,355	85,203	9,759	59,147	68,906	16,328	7,976	2,443	1,807	28,554
1948-----	63,654	21,570	85,224	13,201	60,675	73,876	16,498	9,018	3,215	2,346	31,077
1949-----	64,894	22,929	87,823	12,400	62,597	74,997	18,707	8,663	3,715	2,418	33,503
1950-----	64,469	24,545	89,014	13,358	70,972	84,330	17,454	8,441	4,519	2,663	33,077
1951-----	63,449	24,386	87,835	15,219	78,398	93,617	17,259	7,544	4,806	2,913	32,522
1952-----	63,220	23,809	87,029	15,496	82,927	98,423	17,176	7,664	5,210	2,826	32,876
1953-----	64,755	23,580	88,335	15,512	83,705	99,217	16,799	7,217	5,687	3,162	32,865
1954-----	65,348	22,998	88,346	17,503	87,134	104,637	16,053	5,768	5,690	2,926	30,437
1955-----	67,600	23,054	90,654	15,976	86,070	102,046	16,849	6,152	7,059	3,306	33,366
1956-----	68,803	23,983	92,786	16,452	92,767	109,219	17,268	5,316	7,584	3,855	34,023
1957-----	69,571	24,306	93,877	17,405	96,659	114,064	17,045	5,664	9,212	3,725	35,646
1958-----	64,957	24,509	89,466	20,111	98,105	118,216	17,636	5,393	9,246	3,705	35,980
1959-----	66,934	25,145	92,079	23,241	102,289	125,530	16,895	4,612	9,039	3,841	34,387

Year beginning Oct. 1	Sheep ¹			Goats ²	Hogs	Horses and mules			Other live- stock ³	Unallo- cated ⁴	All feed fed
	Stock sheep	Sheep on feed	All sheep			2 years old and over	Under 2 years old	All horses and mules			
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	-----	-----	21,689	1,782	45,349	31,820	2,507	34,327	3,510	-----	271,658
1941-----	-----	-----	23,226	1,727	50,823	31,433	2,336	33,769	3,577	-----	296,501
1942-----	-----	-----	21,663	1,598	67,384	30,646	1,906	32,552	4,436	-----	321,978
1943-----	-----	-----	19,785	1,535	65,123	29,396	1,566	30,962	4,533	-----	322,158
1944-----	-----	-----	19,042	1,699	52,552	28,184	1,380	29,564	4,204	-----	315,951
1945-----	-----	-----	16,568	1,472	57,258	28,652	1,218	29,870	4,021	-----	306,144
1946-----	-----	-----	14,972	1,400	50,809	26,173	1,026	27,199	3,915	-----	292,648
1947-----	-----	-----	13,403	1,183	46,548	23,202	864	24,066	3,370	-----	271,233
1948-----	-----	-----	12,339	984	49,070	21,374	728	22,102	3,754	-----	278,426
1949-----	-----	-----	11,673	955	52,934	19,336	621	19,957	4,539	-----	286,381
1950-----	-----	-----	11,862	915	56,045	17,273	525	17,798	4,822	-----	297,863
1951-----	-----	-----	11,917	804	56,319	14,513	446	14,959	5,133	-----	303,106
1952-----	-----	-----	11,770	796	45,518	12,988	386	13,374	5,279	-----	295,065
1953-----	-----	-----	11,430	872	48,162	11,095	351	11,446	5,548	-----	297,875
1954-----	-----	-----	11,791	1,027	49,947	10,025	343	10,368	5,555	-----	302,108
1955-----	9,596	506	10,102	1,014	52,803	8,497	311	8,808	5,478	-----	304,271
1956-----	10,801	542	11,343	1,219	47,997	8,125	335	8,460	5,548	2,164	312,759
1957-----	11,545	562	12,107	1,352	48,633	7,874	339	8,213	6,517	7,183	327,592
1958-----	11,376	593	11,969	1,375	57,422	7,065	318	7,383	6,589	7,361	335,761
1959-----	11,914	612	12,526	1,453	56,387	6,938	338	7,276	6,760	10,575	346,973

¹ Prior to 1955 feeds fed to stock sheep and sheep on feed were not estimated separately.

² Pasture only.

³ Includes other livestock on farms and all livestock not on farms.

⁴ Probably includes some waste and other losses.

TABLE 66.—All concentrates¹ expressed in feed units, consumed by different kinds of livestock, 1940-59

Year begin- ning Oct. 1	Dairy cattle				Beef cattle		Sheep ²				Poultry				Horses and mules			Other live- stock	Unallo- cated ³	Concen- trates fed to all live- stock	
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fattened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep	Hens and pullets	Chick- ens raised	Broil- ers	Tur- keys	All poultry	Hogs	2 years old and over	Un- der 2 years old				All horses and mules
1940	17,025 tons	3,938	20,963	5,887	3,243	9,130	1,000 tons	1,000 tons	1,186	12,270 tons	8,092	1,370 tons	1,772	23,504 tons	42,981	10,096 tons	351 tons	10,447 tons	1,000 tons	1,000 tons	1,000 tons
1941	18,157	4,414	22,571	6,367	2,856	9,223	1,000	1,000	1,284	14,379	9,258	1,571	1,806	27,014	48,086	9,922	252	10,174	1,000	1,000	1,000
1942	19,168	5,176	24,344	6,650	3,603	10,253	1,000	1,000	1,314	17,208	11,225	2,008	1,623	32,064	64,245	10,293	196	10,489	1,000	1,000	1,000
1943	19,762	5,154	24,906	6,733	3,784	10,517	1,000	1,000	1,190	18,085	9,893	1,846	1,868	31,692	61,929	9,910	138	10,048	1,000	1,000	1,000
1944	20,623	4,780	25,403	7,043	3,305	10,348	1,000	1,000	1,171	16,980	10,560	2,480	2,301	32,321	50,001	9,120	95	9,215	1,000	1,000	1,000
1945	19,557	4,483	24,040	8,256	3,613	11,869	1,000	1,000	1,064	17,553	8,778	2,028	2,172	30,531	54,803	8,486	76	8,562	1,000	1,000	1,000
1946	19,015	4,430	23,445	7,875	3,159	11,034	1,000	1,000	964	16,380	8,754	2,096	1,846	29,076	48,424	7,609	71	7,680	1,000	1,000	1,000
1947	18,132	3,708	21,840	6,323	2,509	8,832	1,000	1,000	883	16,011	7,599	2,443	1,734	27,787	44,216	6,295	57	6,352	1,000	1,000	1,000
1948	18,822	3,999	22,821	9,051	2,989	12,040	1,000	1,000	784	16,187	8,574	3,215	2,249	30,225	46,536	5,639	48	5,687	1,000	1,000	1,000
1949	19,231	4,074	23,305	8,402	3,979	12,381	1,000	1,000	752	18,383	8,279	3,715	2,317	32,694	50,256	5,141	38	5,179	1,000	1,000	1,000
1950	18,481	4,343	22,824	8,912	5,792	14,704	1,000	1,000	740	17,155	8,063	4,519	2,543	32,280	53,273	4,481	38	4,519	1,000	1,000	1,000
1951	18,402	4,644	23,046	10,381	7,219	17,600	1,000	1,000	852	16,976	7,221	4,806	2,780	31,783	53,725	3,844	33	3,877	1,000	1,000	1,000
1952	19,132	4,600	23,732	10,218	5,806	16,024	1,000	1,000	865	16,918	7,359	5,210	2,701	32,188	43,350	3,498	29	3,497	1,000	1,000	1,000
1953	19,106	4,497	23,603	10,227	5,803	16,030	1,000	1,000	866	16,549	6,923	5,687	2,923	32,182	46,116	2,974	24	2,998	1,000	1,000	1,000
1954	19,457	4,181	23,638	11,479	5,302	16,781	1,000	1,000	879	15,795	5,509	5,690	2,787	29,781	47,605	2,556	24	2,580	1,000	1,000	1,000
1955	21,114	4,206	25,320	9,931	6,076	16,007	637	279	916	16,613	5,904	7,059	3,155	32,731	50,536	2,105	14	2,119	1,000	1,000	1,000
1956	22,098	4,112	26,210	10,017	6,077	16,094	622	282	904	16,638	5,072	7,584	3,068	33,308	48,481	1,925	15	1,940	1,000	1,000	1,000
1957	21,690	4,003	25,693	10,998	6,017	17,015	640	296	906	16,759	5,391	9,212	3,531	34,893	46,017	1,792	15	1,807	1,000	1,000	1,000
1958	21,200	3,745	24,945	13,107	7,204	20,311	795	297	1,092	17,364	5,161	9,246	3,517	35,288	54,733	1,670	15	1,685	1,000	1,000	1,000
1959	22,602	3,818	26,420	15,343	7,958	23,301	866	284	1,150	16,628	4,409	9,039	3,647	33,723	53,748	1,601	15	1,616	1,000	1,000	1,000

¹ Includes all feed grains, byproduct feeds, seeds, and milk.² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.³ Probably includes some waste and other losses.

TABLE 67.—*Harvested roughage,¹ expressed in feed units, consumed by different kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle			Beef cattle			Sheep ²			Horses and mules			Other livestock	All harvested roughage fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain-fattened cattle	Other beef cattle	All beef cattle	Stock sheep	Sheep on feed	All sheep	2 years old and over	Under 2 years old	Total		
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940	22,739	5,369	28,108	1,866	9,207	11,073	3,127	---	3,127	10,996	800	11,796	1,000	1,000
1941	24,779	5,296	30,075	2,020	9,804	11,824	3,186	---	3,186	10,844	840	11,684	1,000	1,000
1942	25,554	5,549	31,103	2,246	11,117	13,363	3,415	---	3,415	10,562	720	11,282	1,000	1,000
1943	26,384	5,784	32,168	2,015	12,304	14,319	3,003	---	3,003	10,059	588	10,647	1,000	1,000
1944	26,717	5,595	32,312	2,188	12,357	14,545	2,739	---	2,739	9,548	500	10,048	1,000	1,000
1945	25,640	5,418	31,058	2,300	12,301	14,601	2,461	---	2,461	8,995	400	9,395	1,000	1,000
1946	26,407	5,591	31,998	2,545	11,694	14,239	2,267	---	2,267	8,106	336	8,442	1,000	1,000
1947	25,730	5,613	31,343	2,355	11,405	13,760	1,978	---	1,978	7,486	280	7,766	1,000	1,000
1948	25,268	5,614	30,882	2,828	11,245	14,073	1,772	---	1,772	6,835	200	7,035	1,000	1,000
1949	26,700	5,529	32,229	2,744	11,633	14,377	1,673	---	1,673	6,178	176	6,354	1,000	1,000
1950	26,544	6,148	32,692	2,995	14,086	17,081	1,810	---	1,810	5,656	156	5,812	1,000	1,000
1951	27,406	6,374	33,780	3,329	15,878	19,207	1,828	---	1,828	4,741	140	4,881	1,000	1,000
1952	27,132	6,411	33,543	3,582	18,257	21,839	1,983	---	1,983	4,482	120	4,602	1,000	1,000
1953	28,444	6,420	34,864	3,739	18,506	22,245	1,985	---	1,985	3,760	112	3,872	1,000	1,000
1954	28,647	6,318	34,965	4,300	18,890	23,190	1,983	---	1,983	3,426	108	3,534	1,000	1,000
1955	29,989	6,268	36,257	4,395	20,740	25,135	718	227	945	2,928	106	3,034	1,000	1,000
1956	28,789	6,255	35,044	4,437	20,123	24,560	674	260	934	2,485	102	2,587	1,000	1,000
1957	30,337	6,695	37,032	4,388	20,908	25,296	751	296	1,047	2,430	96	2,526	1,000	1,000
1958	28,205	8,204	36,409	4,913	23,017	27,930	768	296	1,064	2,260	86	2,346	1,000	1,000
1959	28,662	8,531	37,193	5,463	21,566	27,029	863	328	1,191	2,250	96	2,346	1,000	1,000

¹ Includes hay, silage, stover, and straw.

² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.

TABLE 68.—*Pasture and grazing, expressed in feed units, consumed by different kinds of livestock, 1940-59*

Year beginning Oct. 1	Dairy cattle		Beef cattle			Horses and mules			Poultry			Hogs	Sheep	Goats	All pasture and grazing
	Milk cows	Other dairy cattle	All dairy cattle	Grain-fattened cattle	Other beef cattle	All beef cattle	2 years old and over	Under 2 years old	All horses and mules	Hens and pullets	Chick-ens raised	Tur-keys	All poultry		
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940	19,656	12,945	31,861	1,206	38,235	39,501	10,728	1,356	12,084	303	478	80	861	2,368	1,782
1941	22,458	12,945	37,363	1,206	42,621	43,857	10,667	1,244	11,911	347	552	81	980	2,737	1,727
1942	22,468	13,917	36,385	1,237	44,219	45,476	9,791	990	10,781	371	613	73	1,057	3,139	1,698
1943	22,052	13,851	35,903	1,235	45,594	46,829	9,427	840	10,267	397	599	80	986	3,194	1,535
1944	24,758	13,042	37,800	1,321	51,783	53,104	9,516	785	10,301	381	577	104	1,062	2,551	1,699
1945	21,955	12,827	34,782	1,191	47,982	49,173	11,171	742	11,913	359	451	91	901	2,455	1,472
1946	21,804	12,846	34,650	1,260	47,803	49,060	10,458	619	11,077	333	449	79	861	2,385	1,400
1947	19,986	12,034	32,020	1,081	45,293	46,316	9,421	527	9,948	317	377	73	767	2,332	1,164
1948	19,564	11,957	31,521	1,322	46,441	47,763	8,900	480	9,380	311	444	97	852	2,534	1,183
1949	18,963	13,326	32,289	1,254	46,985	48,239	8,017	407	8,424	324	384	101	809	2,678	955
1950	19,444	14,054	33,498	1,451	51,094	52,545	7,136	331	7,467	299	378	120	797	2,772	915
1951	17,641	13,368	31,009	1,509	55,301	56,810	5,928	273	6,201	283	368	133	739	2,394	804
1952	16,956	12,798	29,754	1,696	58,864	60,560	5,098	237	5,275	268	363	125	688	2,108	796
1953	17,205	12,663	29,868	1,546	59,896	60,942	4,361	215	4,576	250	294	139	683	2,046	872
1954	17,244	12,499	29,743	1,724	62,942	64,666	4,043	211	4,254	258	259	139	656	2,342	1,027
1955	16,497	12,580	29,077	1,650	59,254	60,904	3,464	191	3,655	236	248	151	635	2,267	829
1956	17,916	13,616	31,532	1,998	66,567	68,565	3,715	218	3,933	284	244	187	715	2,516	1,014
1957	17,944	13,608	31,552	2,019	69,734	71,753	3,632	228	3,880	286	273	194	753	2,616	1,259
1958	15,552	12,560	28,112	2,091	67,884	69,975	3,135	217	3,352	272	232	188	692	2,689	1,352
1959	15,670	12,796	28,466	2,435	72,765	75,200	3,087	227	3,314	267	203	194	664	2,639	1,455

TABLE 69.—All roughage,¹ expressed in feed units, consumed by different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Horses and mules		Poultry			Sheep ²			Goats, pas- ture only	Hogs	Other live- stock	All rough- ages fed
	Milk cows	Other dairy cattle	All dairy cattle	Grain- fat- tened cattle	Other beef cattle	All beef cattle	2 years old and over	Under 2 years old	All horses and mules	Hens and pul- lets	Chick- ens raised	Tur- keys	All poul- try	Stock sheep				
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940.....	42,595	17,374	59,969	3,072	47,502	55,774	21,724	2,156	23,880	303	478	861	1,000	20,593	20,593	1,752	2,368	1,000
1941.....	48,237	19,643	67,880	3,286	52,425	55,711	21,511	2,084	23,905	347	552	91	1,000	21,942	21,942	1,752	2,368	1,000
1942.....	48,320	19,468	67,788	3,503	55,336	58,839	20,353	1,710	22,063	371	613	73	1,000	21,942	21,942	1,568	2,130	1,000
1943.....	48,436	19,635	68,071	3,150	60,898	64,048	19,486	1,428	20,914	397	509	80	1,000	18,598	18,598	1,535	2,194	1,000
1944.....	51,475	20,637	72,112	3,504	64,140	67,644	19,064	1,285	20,349	381	577	104	1,000	17,871	17,871	1,699	2,551	1,000
1945.....	47,595	18,245	65,840	3,491	60,283	63,774	20,166	1,142	21,308	359	451	91	1,000	15,468	15,468	1,472	2,455	1,000
1946.....	48,211	18,437	66,648	3,791	59,498	63,289	18,564	955	19,519	333	449	79	1,000	14,008	14,008	1,400	2,385	1,000
1947.....	45,716	17,647	63,363	3,436	56,638	60,074	16,907	713	17,714	317	377	73	1,000	12,520	12,520	1,183	2,332	1,000
1948.....	44,832	17,571	62,403	4,150	57,686	61,836	15,735	680	16,415	311	444	97	1,000	11,555	11,555	984	2,534	1,000
1949.....	45,663	18,855	64,518	3,998	58,618	62,616	14,195	583	14,778	324	384	101	1,000	10,921	10,921	955	2,678	1,000
1950.....	45,988	20,202	66,190	4,446	65,130	69,626	12,792	487	13,279	299	378	120	1,000	11,122	11,122	915	2,772	1,000
1951.....	45,047	19,742	64,789	4,838	71,179	76,017	10,669	413	11,082	283	323	133	1,000	11,065	11,065	804	2,594	1,000
1952.....	44,088	19,209	63,297	5,278	77,121	82,399	9,620	357	9,877	258	305	125	1,000	10,905	10,905	796	2,168	1,000
1953.....	45,649	19,083	64,732	5,285	77,902	83,187	8,121	327	8,448	250	294	139	1,000	10,564	10,564	872	2,046	1,000
1954.....	45,891	18,817	64,708	6,024	81,832	87,856	7,469	319	7,788	258	259	139	1,000	10,912	10,912	1,027	2,342	1,000
1955.....	46,486	18,848	65,334	6,045	79,994	86,039	6,392	297	6,689	236	248	151	1,000	8,959	8,959	1,014	2,267	1,000
1956.....	46,705	19,871	66,576	6,435	86,690	93,125	6,200	320	6,520	284	244	187	1,000	10,179	10,179	1,219	2,516	1,000
1957.....	47,881	20,303	68,184	6,407	90,642	97,049	6,082	324	6,406	286	273	194	1,000	10,905	10,905	1,352	2,616	1,000
1958.....	43,757	20,764	64,521	7,004	90,901	97,905	5,395	303	5,698	272	282	188	1,000	10,581	10,581	1,375	2,689	1,000
1959.....	44,332	21,327	65,659	7,898	94,331	102,229	5,337	323	5,660	267	203	194	1,000	11,048	11,048	1,453	2,639	1,000

¹ Includes hay, stover, straw, silage, and pasture.

² Prior to 1955, feeds fed to stock sheep and sheep on feed were not estimated separately.

TABLE 70.—*Feed, expressed in feed units, consumed by dairy cattle, 1940-59*

Year beginning Oct. 1	Concentrates						Roughage					All feed
	Corn	Other grains	High- protein feeds	Other by- product feeds	Seeds and milk	All concentrates	Hay	Stover and straw	Silage	Pasture	All rough- age and pasture	
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	6,488	6,731	3,100	2,434	2,210	20,963	20,418	2,067	5,623	31,861	59,969	80,932
1941.....	7,927	6,926	3,356	2,341	2,021	22,571	21,884	2,486	5,705	37,805	67,880	90,451
1942.....	8,486	7,865	3,671	2,048	2,274	24,344	23,612	2,349	5,442	36,385	67,788	92,132
1943.....	9,371	6,936	4,135	2,187	2,277	24,906	24,367	2,586	5,215	35,903	68,071	92,977
1944.....	9,813	6,565	4,574	2,507	1,944	25,403	24,054	2,676	5,582	39,800	72,112	97,515
1945.....	8,809	7,211	3,934	2,399	1,687	24,040	23,761	1,893	5,404	34,782	65,840	89,880
1946.....	8,756	6,716	3,807	2,716	1,450	23,445	24,997	1,405	5,596	34,650	66,648	90,093
1947.....	7,748	6,484	3,865	2,403	1,340	21,840	24,944	905	5,494	32,020	63,363	85,203
1948.....	8,642	6,571	4,034	2,408	1,166	22,821	23,911	877	6,094	31,521	62,403	85,224
1949.....	9,390	6,011	3,833	2,489	1,582	23,305	25,014	871	6,344	32,289	64,518	87,823
1950.....	8,486	6,582	3,746	2,543	1,467	22,824	25,291	661	6,740	33,498	66,190	89,014
1951.....	8,620	6,397	3,762	2,759	1,508	23,046	25,975	585	7,220	31,009	64,789	87,835
1952.....	9,855	5,808	4,002	2,717	1,350	23,732	25,345	972	7,226	29,754	63,297	87,029
1953.....	9,777	5,942	3,995	2,674	1,215	23,603	25,619	942	8,303	29,868	64,732	88,335
1954.....	8,731	7,002	3,818	2,223	1,264	23,638	25,165	836	8,964	29,743	64,708	88,346
1955.....	10,107	7,944	3,295	2,693	1,281	25,320	26,446	643	9,168	29,077	65,334	90,654
1956.....	11,612	7,246	3,399	2,662	1,291	26,210	24,954	671	9,419	31,532	66,576	92,786
1957.....	11,144	7,033	3,810	2,644	1,062	25,693	25,879	806	10,347	31,152	68,184	93,877
1958.....	10,698	6,836	3,868	2,528	1,015	24,945	25,557	757	10,095	28,112	64,521	89,466
1959.....	11,744	7,056	3,981	2,684	955	26,420	27,131	485	9,577	28,466	65,659	92,079

TABLE 71.—*Feed, expressed in feed units, consumed by milk cows, 1940-59*

Year beginning Oct. 1	Concentrates						Roughage					All feed
	Corn	Other feed grains	High- protein feeds	Other by- product feeds	Seeds	All concentrates	Hay	Stover and straw	Silage	Pasture	All rough- age and pasture	
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	5,199	5,837	2,935	2,329	725	17,025	16,246	1,745	4,748	19,856	42,595	59,620
1941.....	6,137	6,016	3,168	2,224	612	18,157	18,097	1,865	4,817	23,458	48,237	66,394
1942.....	6,116	6,833	3,459	1,948	812	19,168	19,663	1,591	4,600	22,466	48,320	67,488
1943.....	6,891	6,005	3,916	2,078	862	19,752	20,195	1,846	4,343	22,052	48,436	68,188
1944.....	7,478	5,724	4,355	2,402	664	20,623	20,068	1,940	4,709	24,758	51,475	72,098
1945.....	6,789	6,205	3,738	2,286	539	19,557	19,656	1,439	4,545	21,955	47,595	67,152
1946.....	6,576	5,889	3,576	2,586	388	19,015	20,542	1,160	4,705	21,804	48,211	67,226
1947.....	6,178	5,615	3,677	2,284	378	18,132	20,355	770	4,605	19,986	45,716	63,848
1948.....	6,836	5,607	3,840	2,298	241	18,822	19,383	747	5,138	19,564	44,832	63,654
1949.....	7,665	5,200	3,653	2,377	336	19,231	20,410	683	5,607	18,963	45,663	64,894
1950.....	6,591	5,691	3,546	2,391	262	18,481	20,107	522	5,915	19,444	45,988	64,469
1951.....	6,527	5,472	3,526	2,365	312	18,402	20,427	520	6,459	17,641	45,047	63,449
1952.....	7,650	4,990	3,754	2,526	212	19,132	19,959	806	6,367	16,956	44,088	63,220
1953.....	7,642	5,090	3,755	2,494	125	19,106	20,273	800	7,371	17,205	45,649	64,755
1954.....	6,872	6,166	3,630	2,627	162	19,457	19,981	742	7,924	17,244	45,891	65,348
1955.....	8,838	6,688	2,912	2,495	181	21,114	21,343	555	8,061	16,497	46,486	67,600
1956.....	10,374	6,021	3,004	2,468	231	22,098	19,892	596	8,301	17,916	46,705	68,803
1957.....	9,943	5,798	3,367	2,482	100	21,690	20,411	674	9,252	17,544	47,881	69,571
1958.....	9,673	5,618	3,440	2,369	100	21,200	18,753	649	8,803	15,552	43,757	64,957
1959.....	10,576	5,947	3,474	2,505	100	22,602	19,771	350	8,541	15,670	44,832	66,934

TABLE 72.—*Feed expressed in feed units, consumed by other dairy cattle, 1940-59*

Year beginning Oct. 1	Concentrates						Roughage					All feed
	Corn	Other grains	High protein feeds	Other by- product feeds	Seeds and milk	All con- centrates	Hay	Stover and straw	Silage	Pas- ture	All rough- age and pasture	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	1,289	894	165	105	1,485	3,938	4,172	322	875	12,005	17,374	21,312
1941-----	1,790	910	188	117	1,409	4,414	3,787	621	888	14,347	19,643	24,057
1942-----	2,370	1,032	212	100	1,462	5,176	3,949	758	842	13,919	19,468	24,644
1943-----	2,450	931	219	109	1,415	5,154	4,172	740	872	13,851	19,635	24,789
1944-----	2,335	841	219	105	1,280	4,780	3,986	736	873	15,042	20,637	25,417
1945-----	2,020	1,006	196	113	1,148	4,483	4,105	454	859	12,827	18,245	22,728
1946-----	2,180	927	231	130	1,062	4,430	4,455	245	891	12,846	18,437	22,867
1947-----	1,570	869	188	119	962	3,708	4,589	135	889	12,034	17,647	21,355
1948-----	1,806	964	194	110	925	3,999	4,528	130	956	11,957	17,571	21,570
1949-----	1,725	811	180	112	1,246	4,074	4,604	188	737	13,326	18,855	22,929
1950-----	1,895	891	200	152	1,205	4,343	5,184	139	825	14,054	20,202	24,545
1951-----	2,093	925	236	194	1,196	4,644	5,548	65	761	13,368	19,742	24,386
1952-----	2,205	818	248	191	1,138	4,600	5,386	166	859	12,798	19,209	23,809
1953-----	2,135	852	240	180	1,090	4,497	5,346	142	932	12,663	19,083	23,580
1954-----	1,859	836	188	196	1,102	4,181	5,184	94	1,040	12,499	18,817	22,998
1955-----	1,269	1,256	383	198	1,100	4,206	5,103	88	1,077	12,580	18,848	23,054
1956-----	1,238	1,225	395	194	1,060	4,112	5,062	75	1,118	13,616	19,871	23,983
1957-----	1,201	1,235	443	162	962	4,003	5,468	132	1,095	13,608	20,303	24,306
1958-----	1,025	1,218	428	159	915	3,745	6,804	108	1,292	12,500	20,764	24,509
1959-----	1,168	1,109	507	179	855	3,818	7,360	135	1,036	12,796	21,327	25,145

TABLE 73.—*Feed expressed in feed units, consumed by all beef cattle, 1940-59*

Year beginning Oct. 1	Concentrates						Roughage					All feed
	Corn	Other grains	High protein feeds	Other by- product feeds	Seeds	All con- centrates	Hay	Stover and straw	Silage	Pasture	All rough- age and pasture	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	5,468	1,229	1,616	342	475	9,130	5,151	4,885	1,037	39,501	50,574	59,704
1941-----	5,485	1,271	1,747	320	400	9,223	4,806	5,944	1,074	43,887	55,711	64,934
1942-----	6,115	1,603	1,704	293	538	10,253	6,951	5,395	1,017	45,476	58,839	69,092
1943-----	6,155	1,364	2,122	301	575	10,517	7,490	5,856	973	49,729	64,048	74,565
1944-----	6,260	1,349	1,961	340	438	10,348	7,158	6,394	988	53,104	67,644	77,992
1945-----	7,400	1,453	2,164	490	362	11,869	8,985	4,624	992	49,173	63,774	75,643
1946-----	7,082	1,071	2,091	528	262	11,034	9,467	3,729	1,043	49,050	63,289	74,323
1947-----	5,335	822	2,006	449	220	8,832	9,387	3,368	1,005	46,314	60,074	68,906
1948-----	7,570	1,146	2,571	557	196	12,040	9,533	3,341	1,199	47,763	61,836	73,876
1949-----	7,485	1,054	2,864	609	369	12,381	9,580	3,442	1,355	48,239	62,616	74,997
1950-----	9,365	1,214	3,239	634	252	14,704	11,890	3,497	1,694	52,545	69,626	84,330
1951-----	11,551	1,268	3,259	710	312	17,600	13,970	3,648	1,589	56,810	76,017	93,617
1952-----	10,097	1,124	3,566	1,026	211	16,024	13,765	6,061	2,013	60,560	82,399	98,423
1953-----	9,618	1,177	3,679	1,445	111	16,030	14,284	5,851	2,110	60,942	83,187	99,217
1954-----	9,702	1,564	3,859	1,506	150	16,781	15,156	5,579	2,455	64,666	87,856	104,637
1955-----	7,407	2,720	4,018	1,700	162	16,007	16,417	6,122	2,596	60,904	86,039	102,046
1956-----	7,689	2,708	3,755	1,711	231	16,094	16,412	5,930	2,588	68,565	93,125	109,219
1957-----	8,075	3,255	3,796	1,764	125	17,015	17,266	5,245	2,785	71,753	97,049	114,064
1958-----	9,972	3,715	4,407	1,984	212	20,311	21,394	5,828	2,708	69,975	97,905	118,216
1959-----	11,257	4,993	4,823	2,009	219	23,301	19,296	4,077	3,656	75,200	102,229	125,530

TABLE 74.—*Feed, expressed in feed units, consumed by grain-fattened cattle, 1940-59*

Year beginning Oct. 1	Concentrates					Roughage					All feed
	Corn	Other grains	High protein feeds	Other by-product feeds	All concentrates	Hay	Stover and straw	Silage	Pasture	All roughage and pasture	
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	4,450	389	802	246	5,887	1,333	31	502	1,206	3,072	8,959
1941.....	4,820	436	865	246	6,367	1,465	33	522	1,266	3,286	9,653
1942.....	4,820	583	1,040	207	6,650	1,722	30	494	1,257	3,503	10,153
1943.....	4,990	454	1,078	211	6,733	1,556	25	434	1,135	3,150	9,883
1944.....	5,175	464	1,154	250	7,043	1,722	24	437	1,321	3,504	10,547
1945.....	6,220	398	1,290	348	8,256	1,826	20	454	1,191	3,491	11,747
1946.....	5,922	256	1,314	383	7,875	2,034	19	492	1,246	3,791	11,666
1947.....	4,695	267	1,034	327	6,323	1,888	13	454	1,081	3,436	9,759
1948.....	6,735	291	1,622	403	9,051	2,229	16	583	1,322	4,150	13,201
1949.....	6,118	268	1,599	417	8,402	2,195	12	537	1,254	3,998	12,400
1950.....	6,450	329	1,729	404	8,912	2,270	12	713	1,451	4,446	13,358
1951.....	7,606	328	2,015	432	10,381	2,573	11	745	1,509	4,838	15,219
1952.....	7,322	279	1,965	652	10,218	2,698	9	875	1,696	5,278	15,496
1953.....	7,043	297	2,040	847	10,227	2,822	10	907	1,546	5,285	15,512
1954.....	7,802	429	2,340	908	11,479	3,237	10	1,053	1,724	6,024	17,503
1955.....	5,695	1,465	1,969	802	9,931	3,237	13	1,145	1,650	6,045	15,976
1956.....	5,957	1,586	1,645	829	10,017	3,320	10	1,107	1,998	6,435	16,452
1957.....	6,323	2,115	1,725	835	10,998	3,196	14	1,178	2,019	6,407	17,405
1958.....	7,403	2,445	2,252	1,007	13,107	3,590	15	1,308	2,091	7,004	20,111
1959.....	8,668	3,128	2,545	1,002	15,343	4,026	18	1,419	2,435	7,898	23,241

TABLE 75.—*Feed, expressed in feed units, consumed by other beef cattle, 1940-59*

Year beginning Oct. 1	Concentrates						Roughage					All feed
	Corn	Other feed grains	High protein feeds	Other by-product feeds	Seeds	All concentrates	Hay	Stover and straw	Silage	Pasture	All roughage and pasture	
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	1,018	840	814	96	475	3,243	3,818	4,854	535	38,295	47,502	50,745
1941.....	665	835	882	74	400	2,856	3,341	5,911	552	42,621	52,425	55,281
1942.....	1,295	1,020	664	86	538	3,603	5,229	5,365	523	44,219	55,336	58,939
1943.....	1,165	910	1,044	90	575	3,784	5,984	5,831	539	48,594	60,898	64,682
1944.....	1,085	885	807	90	438	3,305	5,436	6,370	551	51,783	64,140	67,445
1945.....	1,180	1,055	874	142	362	3,613	7,159	4,604	538	47,982	60,283	63,896
1946.....	1,160	815	777	145	262	3,159	7,433	3,710	551	47,804	59,498	62,657
1947.....	640	555	972	122	220	2,509	7,499	3,355	551	45,233	56,638	59,147
1948.....	835	855	949	154	196	2,989	7,304	3,325	616	46,441	57,686	60,675
1949.....	1,367	786	1,265	192	369	3,979	7,385	3,430	818	46,985	58,618	62,597
1950.....	2,915	885	1,510	230	252	5,792	9,620	3,485	981	51,094	65,180	70,972
1951.....	3,945	940	1,744	278	312	7,219	11,397	3,637	844	55,301	71,179	78,398
1952.....	2,775	845	1,601	374	211	5,806	11,067	6,052	1,138	58,864	77,121	82,927
1953.....	2,575	890	1,639	598	111	5,803	11,462	5,841	1,203	59,396	77,902	83,705
1954.....	1,900	1,135	1,519	598	150	5,302	11,919	5,569	1,402	62,942	81,832	87,134
1955.....	1,712	1,255	2,049	898	162	6,076	13,180	6,109	1,451	59,254	79,994	86,070
1956.....	1,732	1,122	2,110	882	231	6,077	12,722	5,920	1,481	66,567	86,690	92,767
1957.....	1,752	1,140	2,071	929	125	6,017	14,070	5,231	1,607	69,734	90,642	96,659
1958.....	2,589	1,270	2,155	978	212	7,204	17,804	3,813	1,400	67,884	90,901	98,105
1959.....	2,589	1,865	2,278	1,007	219	7,958	15,270	4,059	2,237	72,765	94,331	102,289

TABLE 76.—*Feed, expressed in feed units, consumed by sheep and goats, 1940-59*

Year beginning Oct. 1	Sheep										All feed	Goats ¹
	Concentrates					Roughage						
	Corn	Other feed grains	High pro- tein feeds	Other by- prod- uct feeds	All con- cen- trates	Hay	Stover and straw	Si- lage	Pas- ture	All rough- age and pas- ture		
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	601	287	220	78	1,186	2,338	570	219	17,376	20,503	21,689	1,782
1941-----	675	306	231	72	1,284	2,665	600	221	18,456	21,942	23,226	1,727
1942-----	760	259	231	64	1,314	2,656	550	209	16,934	20,349	21,663	1,598
1943-----	695	229	210	56	1,190	2,380	452	171	15,592	18,595	19,785	1,535
1944-----	740	186	189	56	1,171	2,078	515	146	15,132	17,871	19,042	1,699
1945-----	665	205	178	52	1,100	1,955	368	138	13,007	15,468	16,568	1,472
1946-----	595	159	158	52	964	1,776	348	143	11,741	14,008	14,972	1,400
1947-----	525	155	147	56	883	1,602	238	138	10,542	12,520	13,403	1,183
1948-----	417	180	136	51	784	1,339	290	143	9,783	11,555	12,339	984
1949-----	413	157	134	48	752	1,272	305	96	9,248	10,921	11,673	955
1950-----	395	159	137	49	740	1,428	285	97	9,312	11,122	11,862	915
1951-----	490	154	147	61	852	1,488	243	97	9,237	11,065	11,917	804
1952-----	520	137	147	61	865	1,615	271	97	8,922	10,905	11,770	796
1953-----	480	158	158	70	866	1,572	316	97	8,579	10,564	11,430	872
1954-----	450	192	158	79	879	1,615	271	97	8,929	10,912	11,791	1,027
1955-----	151	347	418	-----	916	628	204	113	8,241	9,186	10,102	1,014
1956-----	145	349	410	-----	904	621	228	85	9,505	10,439	11,343	1,219
1957-----	147	343	416	-----	906	629	320	98	10,154	11,201	12,107	1,352
1958-----	313	374	405	-----	1,092	667	298	99	9,813	10,877	11,969	1,375
1959-----	427	278	445	-----	1,150	741	351	99	10,185	11,376	12,526	1,453

¹ Pasture only.TABLE 77.—*Feed, expressed in feed units, consumed by horses and mules, 1940-59*

Year beginning Oct. 1	Concentrates					Roughage				All feed fed to horses and mules
	Corn	Other grains	High protein feeds	Other by- product feeds	All concen- trates	Hay	Stover and straw	Pasture	All rough- age and pasture	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1940-----	6,212	4,000	38	197	10,447	9,266	2,530	12,084	23,880	34,327
1941-----	6,425	3,538	38	173	10,174	9,540	2,144	11,911	23,595	33,769
1942-----	6,630	3,689	38	132	10,489	9,065	2,217	10,781	22,063	32,552
1943-----	6,555	3,323	38	132	10,048	8,260	2,387	10,267	20,914	30,962
1944-----	6,020	3,025	38	132	9,215	7,320	2,728	10,301	20,349	29,564
1945-----	4,870	3,525	25	142	8,562	6,830	2,565	11,913	21,308	29,870
1946-----	5,270	2,219	19	172	7,680	5,792	2,650	11,077	19,519	27,199
1947-----	4,425	1,705	12	210	6,352	5,071	2,695	9,948	17,714	24,066
1948-----	3,977	1,526	12	172	5,687	4,116	2,919	9,380	16,415	22,102
1949-----	3,661	1,263	31	224	5,179	3,284	3,070	8,424	14,778	19,957
1950-----	2,890	1,372	30	227	4,519	3,092	2,720	7,467	13,279	17,798
1951-----	2,460	1,182	26	209	3,877	2,920	1,961	6,201	11,082	14,959
1952-----	2,330	966	9	192	3,497	2,384	2,218	5,275	9,877	13,374
1953-----	1,885	938	-----	175	2,998	2,096	1,776	4,576	8,448	11,446
1954-----	1,525	889	-----	166	2,580	1,892	1,642	4,254	7,788	10,368
1955-----	1,204	779	-----	136	2,119	1,690	1,344	3,655	6,689	8,808
1956-----	1,103	713	-----	124	1,940	1,690	897	3,933	6,520	8,460
1957-----	1,044	647	-----	116	1,807	1,368	1,158	3,880	6,406	8,213
1958-----	981	608	-----	96	1,685	1,414	932	3,352	5,698	7,383
1959-----	908	592	-----	116	1,616	1,280	1,066	3,314	5,660	7,276

TABLE 78.—*Feed, expressed in feed units, consumed by horses and mules 2 years old and over, 1940-59*

Year beginning Oct. 1	Concentrates					Roughage				All feed
	Corn	Other feed grains	High protein feeds	Other by-product feeds	All concentrates	Hay	Stover and straw	Pasture	All roughage and pasture	
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	6,027	3,834	38	197	10,096	8,666	2,330	10,728	21,724	31,820
1941.....	6,292	3,419	38	173	9,922	8,900	1,944	10,667	21,511	31,433
1942.....	6,527	3,596	38	132	10,293	8,505	2,057	9,791	20,353	30,646
1943.....	6,482	3,258	38	132	9,910	7,780	2,279	9,427	19,486	29,396
1944.....	5,970	2,980	38	132	9,120	6,920	2,628	9,516	19,064	28,184
1945.....	4,830	3,489	25	142	8,486	6,510	2,485	11,171	20,166	28,652
1946.....	5,232	2,186	19	172	7,609	5,512	2,594	10,458	18,564	26,173
1947.....	4,395	1,678	12	210	6,295	4,831	2,655	9,421	16,907	23,202
1948.....	3,947	1,508	12	172	5,639	3,956	2,879	8,900	15,735	21,374
1949.....	3,641	1,245	31	224	5,141	3,136	3,042	8,017	14,195	19,336
1950.....	2,870	1,354	30	227	4,481	2,960	2,696	7,136	12,792	17,273
1951.....	2,442	1,167	26	209	3,844	2,800	1,941	5,928	10,669	14,513
1952.....	2,315	952	9	192	3,468	2,280	2,202	5,038	9,520	12,988
1953.....	1,870	929	-----	175	2,974	2,000	1,760	4,361	8,121	11,095
1954.....	1,510	880	-----	166	2,556	1,800	1,626	4,043	7,469	10,025
1955.....	1,194	775	-----	136	2,105	1,600	1,328	3,464	6,392	8,497
1956.....	1,093	708	-----	124	1,925	1,600	885	3,715	6,200	8,125
1957.....	1,034	642	-----	116	1,792	1,288	1,142	3,652	6,082	7,874
1958.....	971	603	-----	96	1,670	1,340	920	3,135	5,395	7,065
1959.....	898	587	-----	116	1,601	1,200	1,050	3,087	5,337	6,938

TABLE 79.—*Feed, expressed in feed units, consumed by horses and mules under 2 years old, 1940-59*

Year beginning Oct. 1	Concentrates	Roughage				All feed
		Hay	Stover and straw	Pasture	All roughage and pasture	
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	351	600	200	1,356	2,156	2,507
1941.....	252	640	200	1,244	2,084	2,336
1942.....	196	560	160	990	1,710	1,906
1943.....	138	480	108	840	1,428	1,566
1944.....	95	400	100	785	1,285	1,380
1945.....	76	320	80	742	1,142	1,218
1946.....	71	280	56	619	955	1,026
1947.....	57	240	40	527	807	864
1948.....	48	160	40	480	680	728
1949.....	38	148	28	407	583	621
1950.....	33	132	24	331	487	525
1951.....	33	120	20	273	413	446
1952.....	29	104	16	237	357	386
1953.....	24	96	16	215	327	351
1954.....	24	92	16	211	319	343
1955.....	14	90	16	191	297	311
1956.....	15	90	12	218	320	335
1957.....	15	80	16	228	324	339
1958.....	15	74	12	217	303	318
1959.....	15	80	16	227	323	338

TABLE 80.—*Feed, expressed in feed units, consumed by hogs, 1940-59*

Year beginning Oct. 1	Concentrates						Pasture	All feed
	Corn	Other feed grains	High protein feeds	Other by- product feeds	Seeds and milk	All con- centrates		
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940-----	28,856	7,365	3,365	486	2,909	42,981	2,368	45,349
1941-----	32,770	8,536	3,610	493	2,677	48,086	2,737	50,823
1942-----	40,595	14,782	5,414	582	2,872	64,245	3,139	67,384
1943-----	38,413	15,117	5,089	568	2,742	61,929	3,194	65,123
1944-----	34,461	9,551	4,085	494	2,410	50,001	2,551	52,552
1945-----	36,742	11,565	3,804	517	2,175	54,803	2,455	57,258
1946-----	34,082	7,064	4,567	763	1,948	48,424	2,385	50,809
1947-----	30,697	6,413	4,511	601	1,994	44,216	2,332	46,548
1948-----	31,426	7,790	4,972	529	1,819	46,536	2,534	49,070
1949-----	35,674	6,950	5,405	515	1,712	50,256	2,678	52,934
1950-----	36,985	7,815	6,374	520	1,579	53,273	2,772	56,045
1951-----	37,039	8,332	6,296	536	1,522	53,725	2,594	56,319
1952-----	28,348	7,340	5,710	497	1,455	43,350	2,168	45,518
1953-----	30,573	7,478	6,062	528	1,475	46,116	2,046	48,162
1954-----	31,463	8,458	5,916	530	1,238	47,605	2,342	49,947
1955-----	34,310	7,884	6,234	1,006	1,102	50,536	2,267	52,803
1956-----	31,755	5,643	6,222	829	1,032	45,481	2,516	47,997
1957-----	32,267	5,690	5,975	1,150	935	46,017	2,616	48,633
1958-----	37,526	8,174	7,169	1,110	754	54,733	2,689	57,422
1959-----	40,753	4,398	6,451	1,420	726	53,748	2,639	56,387

TABLE 81.—*Feed, expressed in feed units, consumed by poultry, 1940-59*

Year be- ginning Oct. 1	Concentrates						Pasture	All feed
	Corn	Other feed grains	High protein feeds	Other by- product feeds	Milk	All con- centrates		
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940-----	10,713	6,117	3,046	2,918	710	23,504	861	24,365
1941-----	11,520	6,636	3,248	2,936	674	27,014	980	27,994
1942-----	13,096	11,308	3,878	3,132	650	32,064	1,057	33,121
1943-----	13,283	10,817	3,857	3,115	620	31,692	986	32,678
1944-----	13,570	10,413	4,273	3,485	580	32,321	1,062	33,383
1945-----	12,697	10,280	3,765	3,249	540	30,531	901	31,432
1946-----	12,581	8,259	3,838	3,858	540	29,076	861	29,937
1947-----	9,260	9,985	4,228	3,834	480	27,787	767	28,554
1948-----	12,786	8,167	5,091	3,681	500	30,225	852	31,077
1949-----	15,397	8,003	5,599	3,517	178	32,694	809	33,503
1950-----	12,545	9,789	6,253	3,513	180	32,280	797	33,077
1951-----	12,511	9,330	6,181	3,581	180	31,783	739	32,522
1952-----	13,825	8,307	6,473	3,403	180	32,188	688	32,876
1953-----	14,439	7,590	6,590	3,403	160	32,182	683	32,865
1954-----	11,125	8,353	6,522	3,621	160	29,781	656	30,437
1955-----	13,563	7,956	7,950	3,102	160	32,731	635	33,366
1956-----	13,061	7,818	8,974	3,295	160	33,308	715	34,023
1957-----	12,793	8,709	9,594	3,637	160	34,893	753	35,646
1958-----	12,823	8,386	10,273	3,656	150	35,288	692	35,980
1959-----	11,772	8,340	9,911	3,550	150	33,723	664	34,387

TABLE 82.—*Feed, expressed in feed units, consumed by hens and pullets, 1940-59*

Year beginning Oct. 1	Concentrates						Pasture	All feed
	Corn	Other feed grains	High protein feeds	Other by-product feeds	Milk	All concentrates		
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	5,340	3,583	1,163	1,744	440	12,270	303	12,573
1941.....	6,060	4,914	1,226	1,769	410	14,379	347	14,726
1942.....	7,006	6,411	1,518	1,873	400	17,208	371	17,579
1943.....	7,768	6,479	1,580	1,878	380	18,085	397	18,482
1944.....	6,995	6,120	1,568	1,937	360	16,980	381	17,361
1945.....	7,567	6,224	1,513	1,919	330	17,553	359	17,912
1946.....	7,186	5,042	1,530	2,292	330	16,380	333	16,713
1947.....	5,530	6,128	1,760	2,313	290	16,011	317	16,328
1948.....	6,846	5,048	1,905	2,088	300	16,187	311	16,498
1949.....	9,116	4,920	2,150	2,075	122	18,383	324	18,707
1950.....	6,815	5,968	2,270	1,982	120	17,155	299	17,454
1951.....	6,746	5,856	2,188	2,066	120	16,976	283	17,259
1952.....	7,435	5,144	2,285	1,934	120	16,918	258	17,176
1953.....	7,603	4,722	2,180	1,934	110	16,549	250	16,799
1954.....	6,131	5,246	2,268	2,040	110	15,795	258	16,053
1955.....	6,337	5,117	2,808	2,241	110	16,613	236	16,849
1956.....	5,985	5,248	3,308	2,333	110	16,984	284	17,268
1957.....	5,288	5,704	3,217	2,440	110	16,759	286	17,045
1958.....	5,373	5,427	3,982	2,482	100	17,364	272	17,636
1959.....	5,001	5,205	3,880	2,442	100	16,628	267	16,895

TABLE 83.—*Feed, expressed in feed units, consumed by chickens raised, 1940-59*

Year beginning Oct. 1	Concentrates						Pasture	All feed
	Corn	Other feed grains	High protein feeds	Other byproduct feeds	Milk	All concentrates		
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	3,915	2,022	953	992	210	8,092	478	8,570
1941.....	4,010	2,978	1,070	988	212	9,258	552	9,810
1942.....	4,835	3,794	1,327	1,069	200	11,225	613	11,838
1943.....	4,360	3,125	1,193	1,025	190	9,893	509	10,402
1944.....	4,625	3,215	1,318	1,222	180	10,560	577	11,137
1945.....	3,475	3,055	1,047	1,031	170	8,778	451	9,229
1946.....	3,720	2,531	1,088	1,245	170	8,754	449	9,203
1947.....	2,240	2,955	1,108	1,146	150	7,599	377	7,976
1948.....	3,595	2,341	1,338	1,140	160	8,574	444	9,018
1949.....	3,609	2,291	1,319	1,004	56	8,279	384	8,663
1950.....	2,875	2,697	1,433	998	60	8,063	378	8,441
1951.....	2,500	2,426	1,240	995	60	7,221	323	7,544
1952.....	2,735	2,261	1,345	958	60	7,359	305	7,664
1953.....	2,691	1,982	1,250	950	50	6,923	294	7,217
1954.....	1,379	2,144	1,017	919	50	5,509	259	5,768
1955.....	1,874	2,288	1,444	248	50	5,904	248	6,152
1956.....	1,645	1,994	1,172	211	50	5,072	244	5,316
1957.....	1,533	2,318	1,274	216	50	5,391	273	5,664
1958.....	1,456	2,248	1,216	191	50	5,161	232	5,393
1959.....	1,161	2,052	944	202	50	4,409	203	4,612

TABLE 84.—*Concentrates, expressed in feed units, consumed by broilers, 1940-59*

Year beginning Oct. 1	Concentrates				
	Corn	Other feed grains	High protein feeds	Other byproduct feeds	All concentrates
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	636	142	515	77	1,370
1941.....	720	212	557	82	1,571
1942.....	895	374	638	101	2,008
1943.....	735	407	607	97	1,846
1944.....	1,165	376	782	157	2,480
1945.....	880	358	655	135	2,028
1946.....	990	234	715	157	2,096
1947.....	1,120	284	860	179	2,443
1948.....	1,550	264	1,148	253	3,215
1949.....	1,838	269	1,360	248	3,715
1950.....	2,035	468	1,705	311	4,519
1951.....	2,300	421	1,795	290	4,806
1952.....	2,670	321	1,938	281	5,210
1953.....	3,030	241	2,135	281	5,687
1954.....	2,710	305	2,242	433	5,690
1955.....	3,702	79	2,750	528	7,059
1956.....	3,655	83	3,176	670	7,584
1957.....	4,383	111	3,831	887	9,212
1958.....	4,477	108	3,777	884	9,246
1959.....	4,021	452	3,762	804	9,039

TABLE 85.—*Feed, expressed in feed units, consumed by turkeys, 1940-59*

Year beginning Oct. 1	Concentrates						Pasture	All feed fed
	Corn	Other feed grains	High protein feeds	Other by-product feeds	Milk	All concentrates		
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1940.....	822	370	415	105	60	1,772	80	1,852
1941.....	730	532	395	97	52	1,806	81	1,887
1942.....	360	729	395	89	50	1,623	73	1,696
1943.....	420	806	477	115	50	1,868	80	1,948
1944.....	785	702	605	169	40	2,301	104	2,405
1945.....	775	643	550	164	40	2,172	91	2,263
1946.....	685	452	505	164	40	1,846	79	1,925
1947.....	370	618	510	196	40	1,734	73	1,807
1948.....	795	514	700	200	40	2,249	97	2,346
1949.....	834	523	770	190	-----	2,317	101	2,418
1950.....	820	656	845	222	-----	2,543	120	2,663
1951.....	965	627	958	230	-----	2,780	133	2,913
1952.....	985	581	905	230	-----	2,701	125	2,826
1953.....	1,115	645	1,025	238	-----	3,023	139	3,162
1954.....	905	658	995	229	-----	2,787	139	2,926
1955.....	1,650	472	948	85	-----	3,155	151	3,306
1956.....	1,776	493	1,318	81	-----	3,668	187	3,855
1957.....	1,589	576	1,272	94	-----	3,531	194	3,725
1958.....	1,517	603	1,298	99	-----	3,517	188	3,705
1959.....	1,589	631	1,325	102	-----	3,647	194	3,841

TABLE 86.—All feed¹ including pasture, consumed per head or per unit of production, by different kinds of livestock, 1940-59

Year beginning Oct. 1	Dairy cattle			Beef cattle			Feed per 100 pounds live weight produced				Sheep and lambs ³			Goats ⁴ per head	
	Milk cows		Other dairy cattle per head	Grain-fattened cattle		Other beef cattle per head	All beef cattle per head	Grain- fattened cattle	Other cattle	All cattle and calves ²	Stock sheep per head	Sheep on feed per head	All sheep and lambs		
	Per head Jan. 1	Per 100 pounds milk produced		Put on feed dur- ing year per head	On feed Jan. 1 per head								Per head		Per 100 pounds produced
			Pounds			Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds			
1940-----	4,685	105	3,253	4,408	3,148	3,483	3,597	839	990	970	-----	-----	804	1,959	785
1941-----	5,046	112	3,512	4,613	3,295	3,474	3,606	856	996	979	-----	-----	826	2,021	799
1942-----	4,974	115	3,443	4,568	3,514	3,339	3,476	913	996	986	-----	-----	786	2,007	747
1943-----	4,923	117	3,347	4,923	3,787	3,334	3,483	959	1,022	1,015	-----	-----	779	1,998	747
1944-----	5,192	120	3,539	4,782	3,679	3,456	3,591	931	1,074	1,057	-----	-----	819	1,986	792
1945-----	5,064	114	3,446	5,579	3,985	3,336	3,558	984	1,035	1,029	-----	-----	782	1,841	747
1946-----	5,203	114	3,529	5,398	3,856	3,348	3,560	952	1,028	1,018	-----	-----	799	1,853	763
1947-----	5,188	113	3,385	5,108	3,405	3,275	3,451	820	994	971	-----	-----	781	1,876	748
1948-----	5,335	111	3,475	5,815	4,154	3,370	3,644	1,001	1,002	1,002	-----	-----	798	1,892	769
1949-----	5,441	111	3,648	5,649	3,766	3,370	3,611	897	953	946	-----	-----	783	1,766	755
1950-----	5,471	112	3,842	5,892	3,928	3,445	3,687	924	972	966	-----	-----	774	1,741	740
1951-----	5,503	112	3,721	6,135	3,834	3,340	3,607	892	977	965	-----	-----	745	1,648	703
1952-----	5,369	106	3,572	5,379	3,842	3,214	3,432	883	917	913	-----	-----	738	1,548	681
1953-----	5,420	106	3,575	5,777	3,611	3,146	3,387	821	903	892	-----	-----	729	1,438	666
1954-----	5,571	107	3,606	6,041	3,553	3,193	3,466	808	932	913	-----	-----	747	1,460	688
1955-----	5,901	109	3,800	5,389	3,170	3,135	3,354	720	939	904	714	237	648	1,278	644
1956-----	6,104	110	4,071	5,375	3,162	3,525	3,718	719	1,051	994	820	252	740	1,471	755
1957-----	6,543	113	4,244	5,902	3,279	3,678	3,903	737	1,100	1,036	850	278	776	1,489	791
1958-----	6,453	106	4,341	6,093	3,294	3,548	3,820	740	1,092	1,023	809	264	784	1,409	732
1959-----	6,856	109	4,542	6,169	3,334	3,521	3,825	741	1,141	1,053	826	283	755	1,502	747

Year beginning Oct. 1	Hogs fed during year		Horses and mules per head		Hens and pullets				Chickens raised		Broilers		Turkeys	
	Per head	Per 100 pounds live weight	2 years old and over	Under 2 years old	Per head Jan. 1	Average number layers in year per head	Per dozen eggs	Per 100 eggs	Per head	Per 100 pounds live weight	Per head	Per 100 pounds live weight	Per head	Per 100 pounds live weight
1940	Pounds 1,137	537	Pounds 5,030	Pounds 3,451	Pounds 66	Pounds 86	Pounds 7.3	Pounds 61	Pounds 23	Pounds 561	Pounds 14.3	Pounds 490	Pounds 114	Pounds 723
1941	1,123	524	5,092	3,569	69	89	7.4	62	23	553	13.8	466	116	723
1942	1,214	559	5,058	3,422	72	94	7.8	65	24	563	14.1	482	107	666
1943	1,153	552	5,039	3,314	71	93	7.7	64	25	581	13.5	451	111	667
1944	1,235	559	5,071	3,309	73	93	7.4	62	25	582	13.6	448	112	650
1945	1,319	606	5,492	3,614	76	99	7.8	65	25	569	13.9	459	113	634
1946	1,228	555	5,465	3,724	77	97	7.3	61	26	582	13.5	448	113	630
1947	1,129	506	5,273	3,608	78	97	7.2	60	26	576	13.2	434	115	630
1948	1,128	528	5,295	3,434	83	101	7.2	60	26	581	12.5	410	114	510
1949	1,129	535	5,215	3,393	88	109	7.7	64	28	621	11.8	382	109	592
1950	1,132	531	5,132	3,454	87	106	7.2	60	27	602	11.5	374	100	561
1951	1,155	547	4,931	3,392	87	107	7.2	60	27	588	11.2	366	98	555
1952	1,082	489	5,028	3,257	92	110	7.2	60	28	596	11.0	359	94	541
1953	1,187	554	4,853	3,205	91	107	7.0	58	27	594	10.9	351	93	546
1954	1,111	512	4,889	3,298	87	103	6.5	54	25	538	10.4	340	89	536
1955	1,135	536	4,523	3,095	93	109	6.7	56	26	574	10.5	331	86	519
1956	1,089	516	4,729	3,418	93	111	6.7	56	27	567	10.5	324	95	569
1957	1,114	517	4,891	3,477	96	112	6.7	56	27	573	11.1	339	94	549
1958	1,184	552	4,729	3,164	96	115	6.7	56	28	598	10.6	321	88	517
1959	1,208	558	4,813	3,252	96	113	6.5	54	28	582	10.1	300	91	515

¹ Expressed in feed units.

² Includes all cattle except milk cows.

³ Feed for stock sheep and sheep on feed not estimated separately prior to 1955.

⁴ Based on number clipped in year.

TABLE 87.—*Feed fed per unit of livestock production, excluding horses and mules and livestock not on farms, 1940-59*

Year beginning Oct. 1	Feed fed to livestock ¹				Index numbers (1957-59=100)		
	Concen- trates	Harvested roughage	Pasture	Total	Feed fed	Livestock- production units ²	Feed per unit of pro- duction ³
	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1940.....	97.8	42.3	93.7	233.8	72	76	95
1941.....	108.2	45.4	105.6	259.2	80	83	96
1942.....	132.2	48.2	104.6	285.0	88	89	99
1943.....	130.2	49.5	106.9	286.6	89	88	101
1944.....	119.2	49.6	113.3	282.1	87	85	102
1945.....	122.3	48.1	101.8	272.2	84	83	101
1946.....	112.9	48.5	100.1	261.5	81	82	99
1947.....	103.6	47.1	93.2	243.9	76	79	96
1948.....	112.4	46.7	93.4	252.5	78	81	96
1949.....	119.4	48.3	94.2	261.9	81	85	95
1950.....	123.8	51.6	99.8	275.2	85	89	96
1951.....	127.0	54.8	101.2	283.0	88	91	97
1952.....	116.2	57.4	102.9	276.5	86	95	91
1953.....	118.8	59.1	103.0	280.9	87	96	91
1954.....	118.7	60.1	107.4	286.2	89	98	91
1955.....	125.5	62.3	102.1	289.9	90	99	91
1956.....	124.2	60.5	114.1	298.8	93	97	96
1957.....	131.7	63.4	117.8	312.9	97	97	100
1958.....	143.7	65.4	112.7	321.8	100	101	99
1959.....	149.0	65.4	118.6	333.0	103	102	101

¹ Measured in feed units.

² Index of production of livestock and livestock products, horses and mules excluded, weighted by feed consumed including pasture.

³ Index of feed fed divided by index of livestock-production units.



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